

DENON

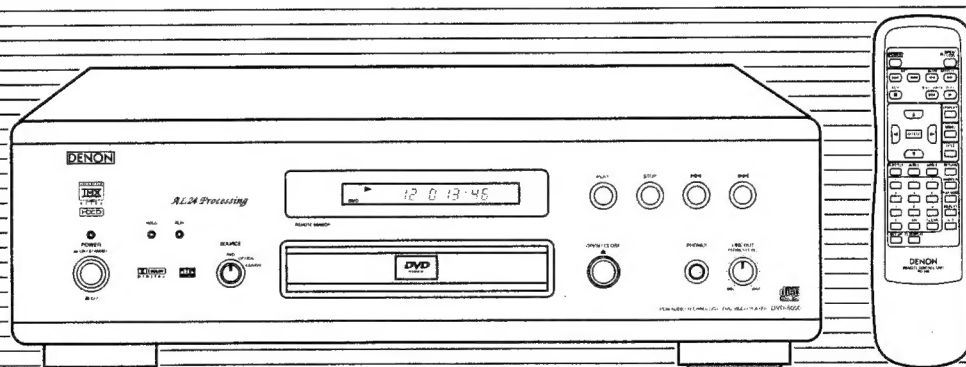
DVD VIDEO PLAYER

DVD-5000

OPERATING INSTRUCTIONS

MODE D'EMPLOI

INSTRUCCIONES DE OPERACION



FOR ENGLISH READERS
POUR LES LECTEURS FRANÇAIS
PARA LECTORES DE ESPAÑOL

PAGE 6 ~ PAGE 53
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IMPORTANT TO SAFETY

WARNING:

TO PREVENT FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

CAUTION:

1. Handle the power supply cord carefully

Do not damage or deform the power supply cord. If it is damaged or deformed, it may cause electric shock or malfunction when used. When removing from wall outlet, be sure to remove by holding the plug attachment and not by pulling the cord.

2. Do not open the top cover

In order to prevent electric shock, do not open the top cover. If problems occur, contact your DENON DEALER.

3. Do not place anything inside

Do not place metal objects or spill liquid inside the DVD video player. Electric shock or malfunction may result.

Please, record and retain the Model name and serial number of your set shown on the rating label.

Model No. DVD-5000

Serial No. _____

NOTE:

This DVD video player uses the semiconductor laser. To allow you to enjoy music at a stable operation, it is recommended to use this in a room of 5°C (41°F) — 35°C (95°F).

CAUTION:

USE OF CONTROLS OR ADJUSTMENTS OR REFORMANCE OF PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE.

THE COMPACT DISC PLAYER SHOULD NOT BE ADJUSTED OR REPAIRED BY ANYONE EXCEPT PROPERLY QUALIFIED SERVICE PERSONNEL.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This Class B digital apparatus meets all requirements of the Canadian Interference-Causing Equipment Regulations.

Cet appareil numérique de la classe B respecte toutes les exigences du Règlement sur le matériel brouilleur du Canada.

• FOR U.S.A. & CANADA MODEL ONLY

CAUTION

TO PREVENT ELECTRIC SHOCK DO NOT USE THIS (POLARIZED) PLUG WITH AN EXTENSION CORD, RECEPTACLE OR OTHER OUTLET UNLESS THE BLADES CAN BE FULLY INSERTED TO PREVENT BLADE EXPOSURE.

• POUR LES MODELES AMERICAINS ET CANADIENS UNIQUEMENT

ATTENTION

POUR PREVENIR LES CHOCS ELECTRIQUES NE PAS UTILISER CETTE FICHE POLARISEE AVEC UN PROLONGATEUR UNE PRISE DE COURANT OU UNE AUTRE SORTIE DE COURANT, SAUF SI LES LAMES PEUVENT ETRE INSEREES A FOND SANS EN LAISSER AUCUNE PARTIE A DECOUVERT.



CAUTION

**RISK OF ELECTRIC SHOCK
DO NOT OPEN**



CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

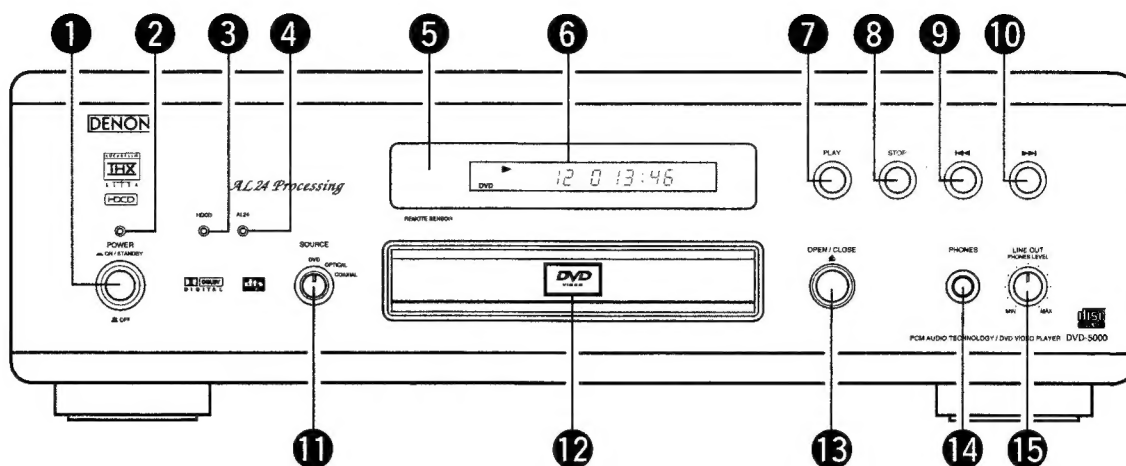


The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

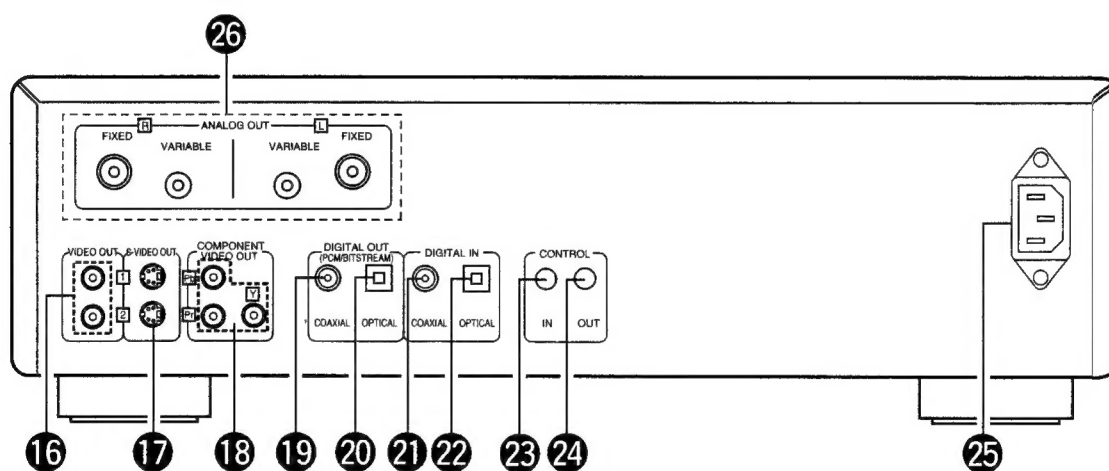


The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

FRONT PANEL
PANNEAU AVANT
PANEL DELANTERO



REAR PANEL
PANNEAU ARRIERE
PANEL TRASERO

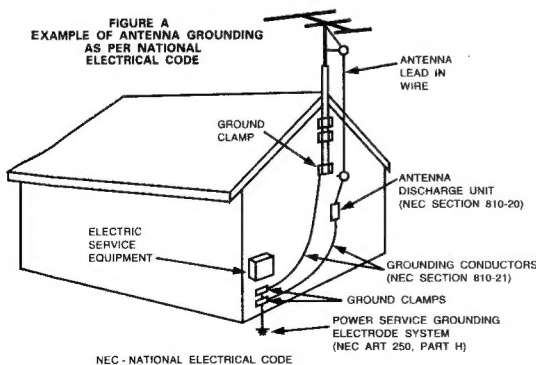


SAFETY INSTRUCTIONS

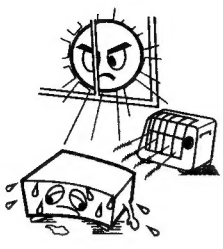

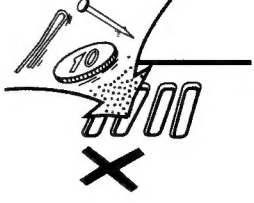
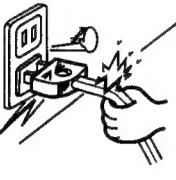
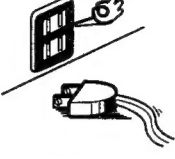
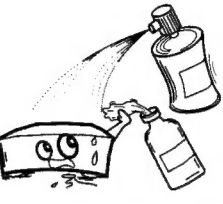
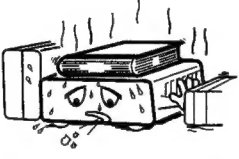

1. Read Instructions – All the safety and operating instructions should be read before the appliance is operated.
2. Retain Instructions – The safety and operating instructions should be retained for future reference.
3. Heed Warnings – All warnings on the appliance and in the operating instructions should be adhered to.
4. Follow Instructions – All operating and use instructions should be followed.
5. Water and Moisture – The appliance should not be used near water – for example, near a bathtub, washbowl, kitchen sink, laundry tub, in a wet basement, or near a swimming pool, and the like.
6. Carts and Stands – The appliance should be used only with a cart or stand that is recommended by the manufacturer.
- 6A. An appliance and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may cause the appliance and cart combination to overturn.
7. Wall or Ceiling Mounting – The appliance should be mounted to a wall or ceiling only as recommended by the manufacturer.
8. Ventilation – The appliance should be situated so that its location or position does not interfere with its proper ventilation. For example, the appliance should not be situated on a bed, sofa, rug, or similar surface that may block the ventilation openings; or, placed in a built-in installation, such as a bookcase or cabinet that may impede the flow of air through the ventilation openings.
9. Heat – The appliance should be situated away from heat sources such as radiators, heat registers, stoves, or other appliances (including amplifiers) that produce heat.
10. Power Sources – The appliance should be connected to a power supply only of the type described in the operating instructions or as marked on the appliance.
11. Grounding or Polarization – Precautions should be taken so that the grounding or polarization means of an appliance is not defeated.



12. Power-Cord Protection – Power-supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at plugs, convenience receptacles, and the point where they exit from the appliance.
14. Cleaning – The appliance should be cleaned only as recommended by the manufacturer.
15. Power Lines – An outdoor antenna should be located away from power lines.
16. Outdoor Antenna Grounding – If an outside antenna is connected to the receiver, be sure the antenna system is grounded so as to provide some protection against voltage surges and built-up static charges. Article 810 of the National Electrical Code, ANSI/NFPA 70, provides information with regard to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna-discharge unit, size of grounding conductors, location of antenna-discharge unit, connection to grounding electrodes, and requirements for the grounding electrode. See Figure A.
17. Nonuse Periods – The power cord of the appliance should be unplugged from the outlet when left unused for a long period of time.
18. Object and Liquid Entry – Care should be taken so that objects do not fall and liquids are not spilled into the enclosure through openings.
19. Damage Requiring Service – The appliance should be serviced by qualified service personnel when:
 - A. The power-supply cord or the plug has been damaged; or
 - B. Objects have fallen, or liquid has been spilled into the appliance; or
 - C. The appliance has been exposed to rain; or
 - D. The appliance does not appear to operate normally or exhibits a marked change in performance; or
 - E. The appliance has been dropped, or the enclosure damaged.
20. Servicing – The user should not attempt to service the appliance beyond that described in the operating instructions. All other servicing should be referred to qualified service personnel.



NOTE ON USE / OBSERVATIONS RELATIVES A L'UTILISATION / NOTAS SOBRE EL USO

 <ul style="list-style-type: none"> • Avoid high temperatures. Allow for sufficient heat dispersion when installed on a rack. • Eviter des températures élevées. Tenir compte d'une dispersion de chaleur suffisante lors de l'installation sur une étagère. • Evite altas temperaturas. Permite la suficiente dispersión del calor cuando está instalado en la consola. 	 <ul style="list-style-type: none"> • Keep the set free from moisture, water, and dust. • Protéger l'appareil contre l'humidité, l'eau et la poussière. • Mantenga el equipo libre de humedad, agua y polvo. 	 <ul style="list-style-type: none"> • Do not let foreign objects in the set. • Ne pas laisser des objets étrangers dans l'appareil. • No deje objetos extraños dentro del equipo.
 <ul style="list-style-type: none"> • Handle the power cord carefully. Hold the plug when unplugging the cord. • Manipuler le cordon d'alimentation avec précaution. Tenir la prise lors du débranchement du cordon. • Maneje el cordón de energía con cuidado. Sostenga el enchufe cuando desconecte el cordón de energía. 	 <ul style="list-style-type: none"> • Unplug the power cord when not using the set for long periods of time. • Débrancher le cordon d'alimentation lorsque l'appareil n'est pas utilisé pendant de longues périodes. • Desconecte el cordón de energía cuando no utilice el equipo por mucho tiempo. 	 <ul style="list-style-type: none"> • Do not let insecticides, benzene, and thinner come in contact with the set. • Ne pas mettre en contact des insecticides, du benzène et un diluant avec l'appareil. • No permita el contacto de insecticidas, gasolina y diluyentes con el equipo.
	 <p>* (For sets with ventilation holes)</p> <ul style="list-style-type: none"> • Do not obstruct the ventilation holes. • Ne pas obstruer les trous d'aération. • No obstruya los orificios de ventilación. 	 <ul style="list-style-type: none"> • Never disassemble or modify the set in any way. • Ne jamais démonter ou modifier l'appareil d'une manière ou d'une autre. • Nunca desarme o modifique el equipo de ninguna manera.

Copyrights / Droits d'auteur / Derechos de Autor

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- La reproduction, la diffusion, la location, le prêt ou la lecture publique de ces disques sont interdits sans le consentement du détenteur des droits d'auteur.
- De acuerdo con las leyes está prohibido reproducir, emitir, alquilar o interpretar discos en público sin la autorización del propietario de los derechos de autor.

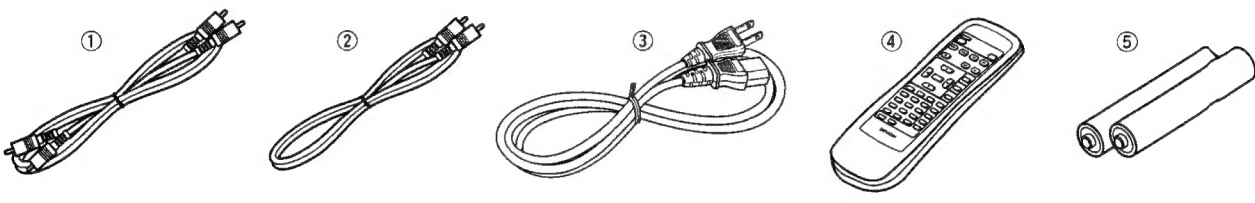
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• ACCESSORIES

Please check to make sure the following items are included with the main unit in the carton:

① Audio cord	1	⑤ SUM3 batteries	2
② Video cord	1	⑥ Operating instructions	1
③ Power cord	1	⑦ Service station list	1
④ Remote control unit (RC-540)	1		



1 FEATURES

The DVD-5000 is DENON's top grade DVD video player equipped with the latest in digital technology. This includes AL 24 Processing, a newly developed analog waveform reproduction technology with sights on next generation media, as well as a multi 24-bit D/A converter with 96 kHz sampling compatibility taking maximum advantage of the high quality offered by AL 24 Processing.

1. Newly developed AL 24 Processing

- (1) AL 24 Processing, an advanced version of conventional APLHA Processing, is a newly developed analog waveform reproduction technology, and offers compatibility with the high number of bits and high sampling rates of next generation media. AL 24 Processing compensates the input digital data to reproduce the sound with analog waveforms as close as possible to those existing in nature and with 24-bit quality. The result is increased musical reproduction capabilities of reverberations, etc., at low levels, for a sound that seems to draw you into the concert hall.

- (2) AL 24 Processing of course carries over Adaptive Line Pattern Harmonized Algorithm & Automatic Low Pass Filter Harmonic Adjustment, the strong points of conventional ALPHA Processing. On the DVD-5000 these filters have been dramatically improved, resulting in a filtered band attenuation of over -115 dB and ripple within the passing band of ± 0.00002 dB, a figure comparable to that of professional recorders.

2. High precision multi 24-bit D/A converter

- (1) The DVD-5000 is equipped with a multi 24-bit D/A converter for faithful D/A conversion of the high quality 24-bit data achieved through AL 24 Processing. This further enhances such aspects of audio performance as the S/N ratio, dynamic range and distortion and makes full use of the possibilities for high quality sound provided by a high number of bits and high sampling rates.
- (2) The multi 24-bit D/A converter is little affected by noise resulting from fluctuations in the power supply voltage and current, and the quantization distortion level within the band is constant regardless of the frequency, resulting in clear sound with little noise.

3. HDCD® (High Definition Compatible Digital) decoder

HDCD is an encoding/decoding technology that greatly reduces the distortion occurring at the time of digital recording while maintaining compatibility with the conventional CD format. HDCD allows 24-bit data to be converted into the 16-bit data of current CDs with no loss in sound quality.

The use of this HDCD decoder makes it possible to achieve the high resolution and low distortion characteristic of HDCD when playing HDCD-compatible discs, and DENON's digital technology optimizes the high sound quality possibilities of HDCD technology. Furthermore, normal CDs, DVDs and HDCD-compatible CDs are automatically identified, and the optimum digital signal processing for that type of disc is used.

4. Dolby Digital (AC-3) bitstream output compatibility (NOTE 1)

The DVD-5000 is compatible with Dolby Digital (AC-3) bitstream output. When a Dolby Digital (AC-3) decoder is connected, the three-dimensional sense and positioning of the sound is recreated extremely naturally, resulting in a strong sense of presence, as if you were in a movie theater or concert hall.

5. THX® Ultra Certification, the symbol of excellent high quality (NOTE 2)

The DVD-5000 meets THX® Ultra standards, a strict set of criteria advocated by Lucasfilm on the picture and sound quality of DVD video players and their operability with connected equipment. This makes it possible to achieve the high quality pictures and sound.

6. DTS bitstream output compatibility (NOTE 3)

The DVD-5000 is compatible with DTS bitstream output, an optional audio format for DVD video. DTS sound can be enjoyed by connecting a commercially available DTS decoder and AV amplifier.

7. High picture quality thanks to a 10-bit video D/A converter

The 8-bit/13.5 MHz brightness and color component signals recorded on DVDs are expanded to 10-bit/27 MHz signals and requantized, leaving room to spare in the processing of the recorded signals to provide the beautiful pictures DVDs have to offer. Furthermore, color component video output terminals are provided for even more faithful reproduction of the colors.

8. Thorough vibration-resistant design

- (1) A large sintered alloy insulator absorbs vibrations from the floor.
- (2) The pickup mechanism is positioned at the center to reduce the effects of external vibrations.
- (3) A heavyweight chassis and low center of gravity make for a low vibration design.

9. Digital input connectors

The DVD-5000 can be used as a D/A converter by connecting it to an external digital component using the digital connectors.

10. Many convenient functions




- (1) Multiple audio function
Selection of up to 8 audio languages.
(The number of languages offered differs from DVD to DVD.)
- (2) Multiple subtitle function
Selection of up to 32 subtitle languages.
(The number of languages offered differs from DVD to DVD.)
- (3) Multiple angle function
The angle of view can be changed.
(For DVDs on which multiple angles are recorded.)
- (4) GUI (Graphical User Interface) function
The on-screen display button on the remote control unit can be used to display player and disc information on the TV screen.
- (5) Marker function
The positions of up to five scenes can be stored in the memory, so you can watch your favorite scenes whenever you want.
- (6) Playback disable function
This function can be used to disable playback of DVDs you do not want children to watch.

NOTES:

1. Manufactured under license from Dolby Laboratories. "Dolby" and the double-D symbol are trademarks of Dolby Laboratories. Confidential Unpublished Work. ©1992 – 1998 Dolby Laboratories, Inc. All rights reserved.
2. Manufactured under license of Lucasfilm Ltd. Lucasfilm and THX® Ultra are registered trademarks of Lucasfilm Ltd.
3. "DTS" is a trademark of Digital Theater Systems, Inc.

2 DISCS

- The types of discs listed on the table below can be used on the DVD-5000.
The marks are indicated on the disc labels or jackets.

Usable discs	Mark (logo)	Recorded signals	Disc size	Maximum recording time
DVD video		Digital audio + digital video (MPEG2)	12 cm	Approx. 240 minutes per side Approx. 480 minutes for both sides
			8 cm	Approx. 80 minutes per side Approx. 160 minutes for both sides
Video CD		Digital audio + digital video (MPEG1)	12 cm	74 minutes
			8 cm	20 minutes
CD		Digital audio	12 cm	74 minutes
			8 cm	20 minutes

■ The following types of discs cannot be played on the DVD-5000:

- DVDs with region numbers other than "1" or "ALL"
- DVD audio discs
- DVDs recorded in PAL
- DVD-ROMs
- DVD-R/DVD-RAMs
- CD-ROMs
- VSDs
- CDVs (Only the audio part can be played.)
- CD-Gs (Only the audio is output.)
- CD-Rs (NEVER play such discs on the DVD-5000.)
- Photo CDs (NEVER play such discs on the DVD-5000.)

※ If you attempt to play CD-R or photo CDs, the data on the disc may be damaged.

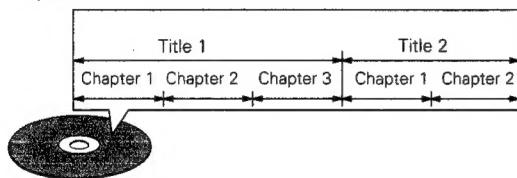
■ Disc terminology

• Titles and chapters (DVDs)

DVDs are divided into several large sections called "titles" and smaller sections called "chapters".

Numbers are allotted to these sections. These numbers are called "title numbers" and "chapter numbers".

For example:

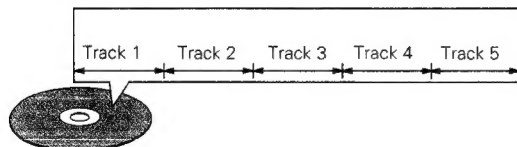


• Tracks (video and music CDs)

Video and music CDs are divided into sections called "tracks".

Numbers are allotted to these sections. These numbers are called "track numbers".

For example:



• Playback control (video CDs)

Video CDs including the words "playback control" on the disc or jacket are equipped with a function for displaying menus on the TV screen for selecting the desired position, displaying information, etc., in dialog fashion.

In this manual, playing video CDs using such menus is referred to "menu playback".

Video CDs with playback control can be used on the DVD-5000.

NOTE:

- This DVD video player is designed and manufactured to respond to the Region Management Information that is recorded on a DVD disc.
If the Region number described on the DVD disc does not correspond to the Region number of this DVD video player, this DVD video player cannot play this disc.
The Region number for this DVD video player is 1.

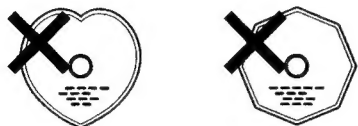


3 CAUTIONS ON HANDLING DISCS

Discs

Only the discs including the marks shown on page 8 can be played on the DVD-5000.

Note, however, that discs with special shapes (heart-shaped discs, hexagonal discs, etc.) cannot be played on the DVD-5000. Do not attempt to play such discs, as they may damage the player.



Holding Discs

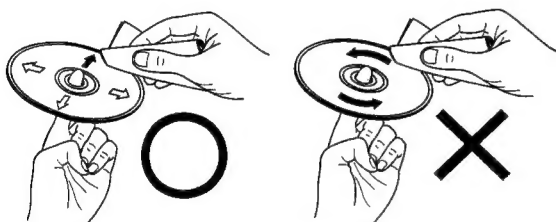
Avoid touching the surface of discs when loading and unloading them.

Be careful not to get fingerprints on the signal surface (the side which shines in rainbow colors).



Cleaning Discs

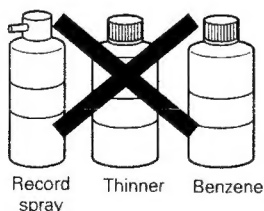
- Fingerprints or dirt on the disc may lower sound and picture quality or cause breaks in playback. Wipe off fingerprints or dirt.
- Use a commercially available disc cleaning set or a soft cloth to wipe off fingerprints or dirt.



Wipe gently from the middle outwards. Do not wipe with a circular motion.

NOTE:

- Do not use record spray or antistatic. Also do not use volatile chemicals such as benzene or thinner.



Cautions on Handling Discs

- Do not get fingerprints, grease or dirt on discs.
- Be especially careful not to scratch discs when removing them from their cases.
- Do not bend discs.
- Do not heat discs.
- Do not enlarge the center hole.
- Do not write on the labeled (printed) side with a ball-point pen or a pencil.
- Water droplets may form on the surface if the disc is moved suddenly from a cold place to a warm one. Do not use a hairdryer, etc., to dry the disc.

Cautions on Storing Discs

- Always eject discs after playing them.
- Keep discs in their cases to protect them from dust, scratches and warping.
- Do not put discs in the following places:
 1. Places exposed to direct sunlight for long periods of time
 2. Humid or dusty places
 3. Places exposed to heat from heaters, etc.

Cautions on Loading Discs

- Only load one disc at a time. Loading one disc on top of another may result in damage or scratch the discs.
- Load 8 cm discs securely in the disc guide, without using an adapter. If the disc is not properly loaded, it may slip out of the guide and block the disc tray.
- Be careful not to let your fingers get caught when the disc tray is closing.
- Do not place anything but discs in the disc tray.
- Do not load cracked or warped discs or discs that have been fixed with adhesive, etc.
- Do not use discs on which the adhesive part of cellophane tape or glue used to attach the label is exposed, or discs with traces of tape or labels that have been peeled off. Such discs may get stuck inside the player, resulting in damage.

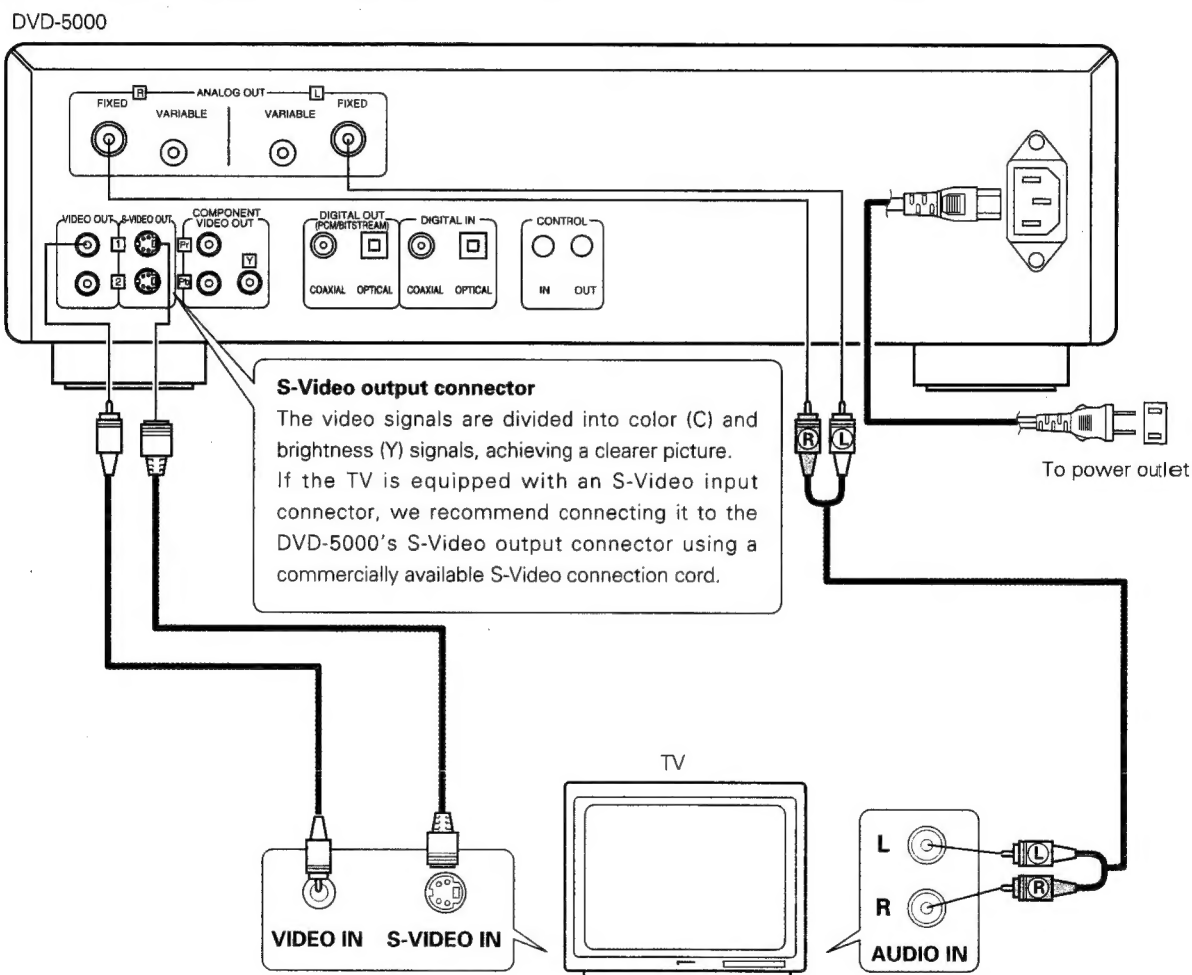
4 CONNECTIONS

NOTES:

- Read the manuals of all the components when making connections.
- Keep the power cord unplugged until all connections have been completed.
- If the power is on when connections are made, noise may be generated and damage the speakers.
- Be sure to connect the left and right channels properly, L (left) to L, R (right) to R.
- Plug the power cord securely into the power outlet. Incomplete connection may result in noise.
- Binding the power cord together with connection cords may result in humming or noise.
- Plug in the power cord in the direction in which the sound is most to your liking.

(1) Connecting to an AV TV

- Use the included audio cord to connect the TV's audio input connectors to the DVD-5000's audio output connectors.
- Use the included video cord to connect the TV's video input connector to the DVD-5000's video output connector.



NOTES:

- Connect the DVD-5000's video outputs to the TV either directly or through an AV amplifier. Do not connect it via a VCR (video cassette recorder).
- Some discs contain copy prohibit signals. If such discs are played via a VCR, the copy prohibit system may cause disturbance in the picture.

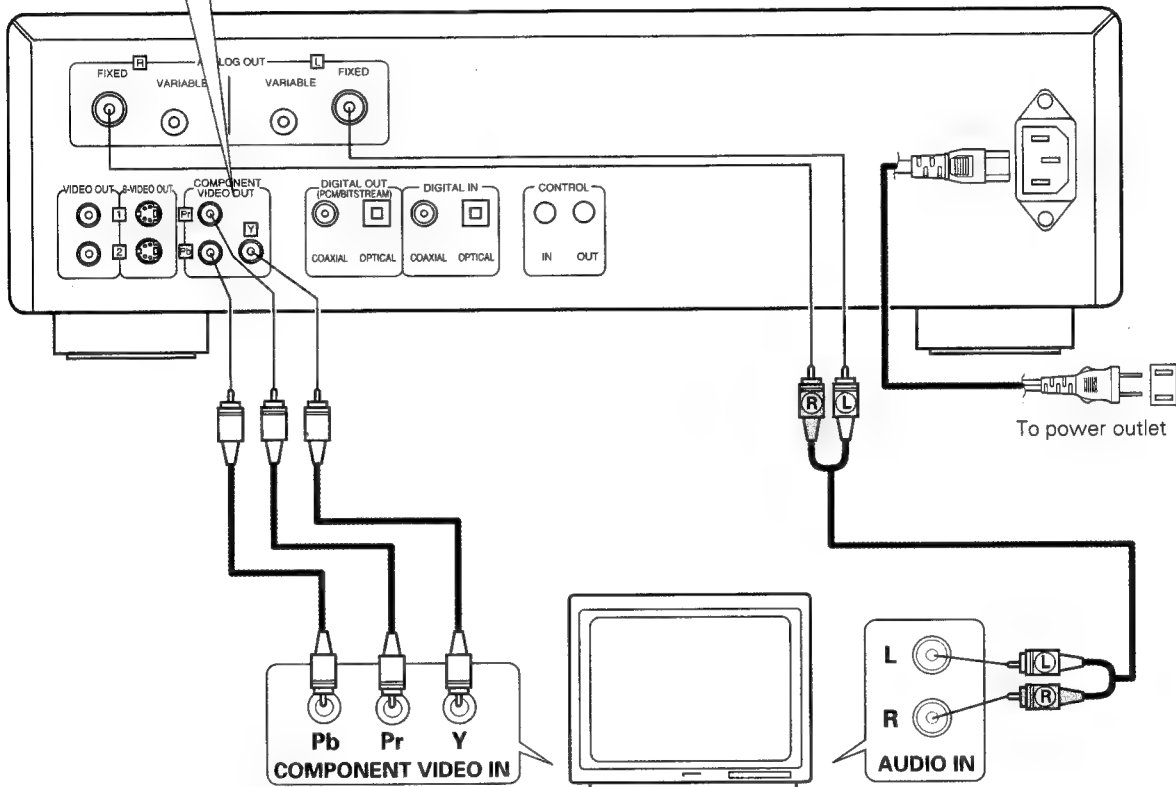
(2) Connecting to a TV or Monitor Equipped with Color Component Input Connectors

Color component output connectors (Pr, Pb and Y)

The red (Pr), blue (Pb) and brightness (Y) signals are output independently, achieving more faithful reproduction of the colors.

- The color component input connectors may be marked differently on some TVs or monitors (Pr,Pb and Y/R-Y, B-Y and Y/Cr, Cb and Y, etc.). For details, refer to the TV's operating instructions.

DVD-5000



NOTE:

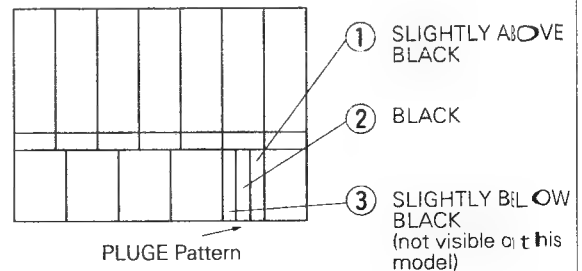
- Use the included video cord and two commercially available video cords to connect the DVD-5000's color component output connectors to the TV or monitor.

SPECIAL INFORMATION FOR TECHNICIANS: ADJUSTING TELEVISION BLACK LEVEL USING PLUGE TEST SIGNAL

This DVD player is designed to reproduce video signals at all brightness levels in the standard NTSC signal. Signal levels darker than standard black are not reproduced. Therefore, please use the special technique to adjust television black level with a standard PLUGE test pattern.

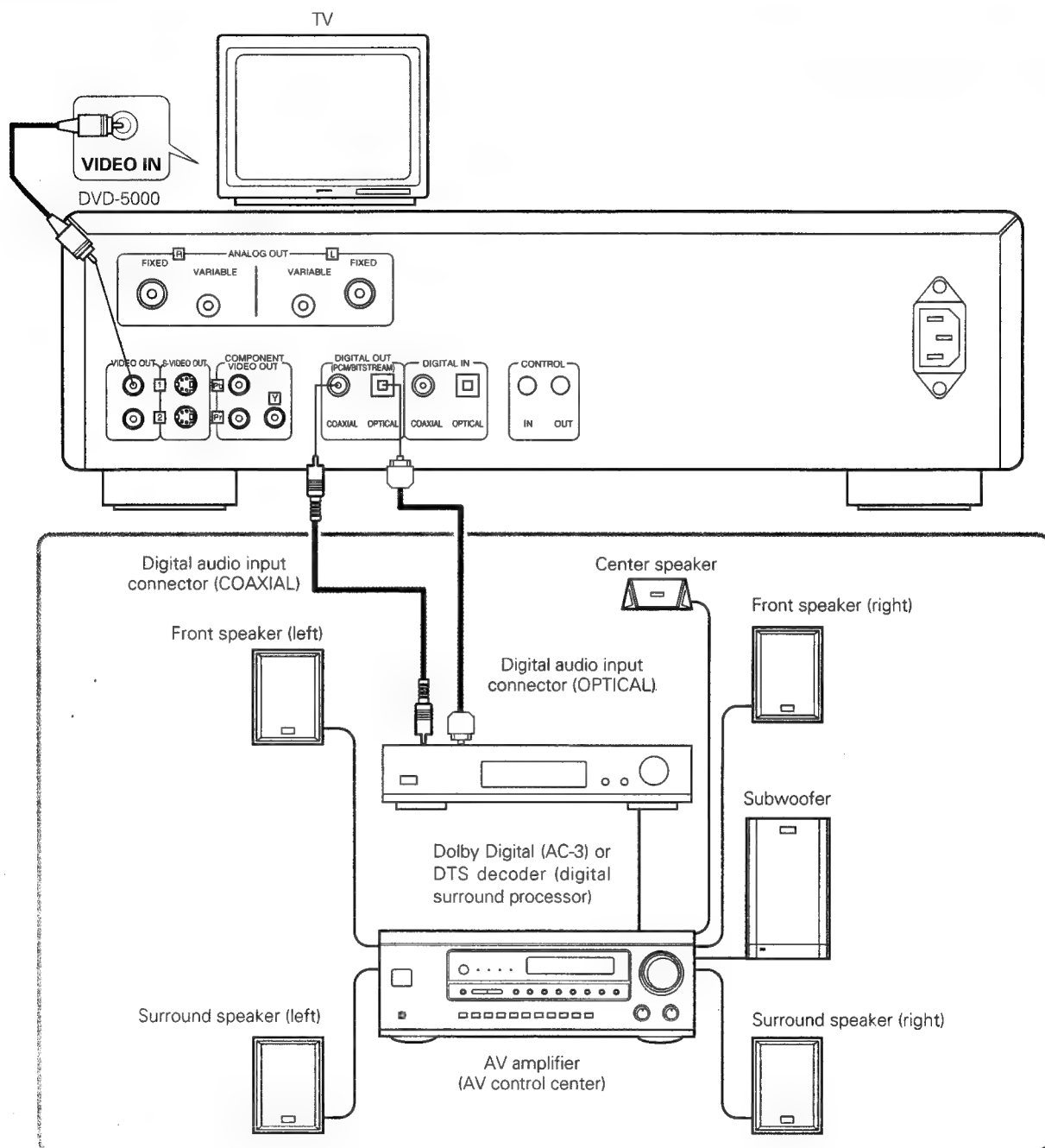
1. Connect DVD player to TV monitor; play PLUGE test pattern (such as SMPTE color bars with PLUGE)
2. The PLUGE part of the test pattern is in the lower right hand section of the color bars frame.
3. Using the TV monitor black level (brightness) control, adjust the middle PLUGE line (2) as dark as possible while keeping the lighter PLUGE line (1) still visible as a slightly brighter shade. The darkest line (3) will not be visible.

SMPTE Color Bars with PLUGE

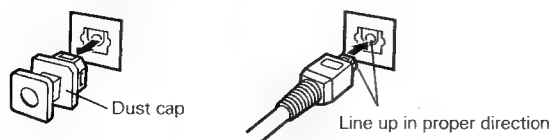


(3) Connecting to a Dolby Digital (AC-3) or DTS (digital theater systems) Decoder

When DVDs recorded in Dolby Digital or DTS are played, Dolby Digital or DTS bitstream signals are output from the DVD player's digital audio output connectors. If a Dolby Digital or DTS decoder is connected, you can achieve sound with the power and sense of presence of a movie theater or concert hall.



■ Connecting an optical fiber cable (commercially available) to the digital audio input connector (OPTICAL)



NOTE:

- Store the dust cap in a safe place, and be careful not to lose it. When not using the terminal, attach the cap to protect the terminal from dust.

Remove the dust cap, line up the cable in the proper direction, then insert it securely as far as it goes.

■ Sound output from the DVD-5000's digital audio output connectors

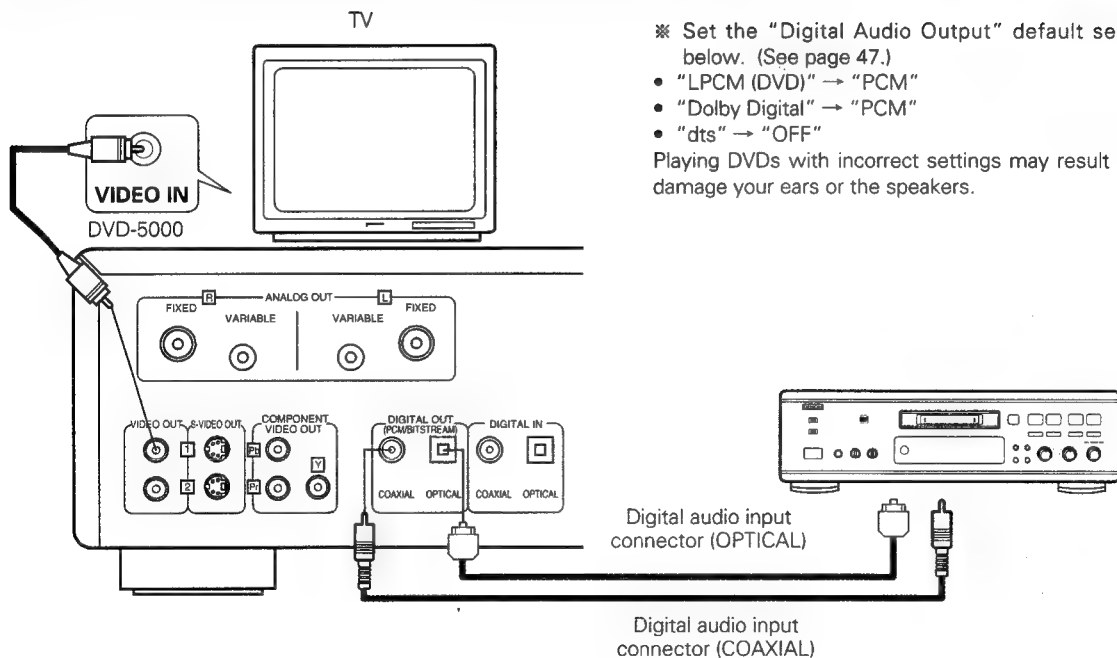
Disc played	Audio recording format	Sound output
DVD video	Dolby Digital (AC-3)	<ul style="list-style-type: none"> Dolby Digital bitstream (2 to 5.1 channels) PCM (48 kHz/16 bit) (2 channels) (NOTE 1) ※ Select with the "Digital Audio Output" default setting. (See page 47.)
	DTS	<ul style="list-style-type: none"> DTS bitstream No output ※ Select with the "Digital Audio Output" default setting. (See page 47.)
	Linear PCM 48 kHz/96 kHz 16/20/24 bit	<ul style="list-style-type: none"> Linear PCM (48 kHz/16 bit) (2 channels) (NOTE 2) No output ※ Select with the "Digital Audio Output" default setting. (See page 47.)
Video CD	MPEG1	<ul style="list-style-type: none"> PCM (44.1 kHz) (NOTE 1)
CD	Linear PCM	<ul style="list-style-type: none"> Linear PCM (44.1 kHz)

NOTE 1: Compressed audio is converted to PCM before output.

NOTE 2: Sound having 96 kHz sampling is converted into 48 kHz sampling when it is output from the unit's optical/coaxial digital audio output connector.

- Linear PCM audio is the signal recording format used for music CDs. While the signals are recorded at 44.1 kHz/16 bit for music CDs, for DVDs they are recorded at 48 kHz/16 bit to 96 kHz/24 bit, providing higher sound quality than music CDs.

(4) Connecting to a Digital Recorder (MD Recorder, DAT Deck, etc.)

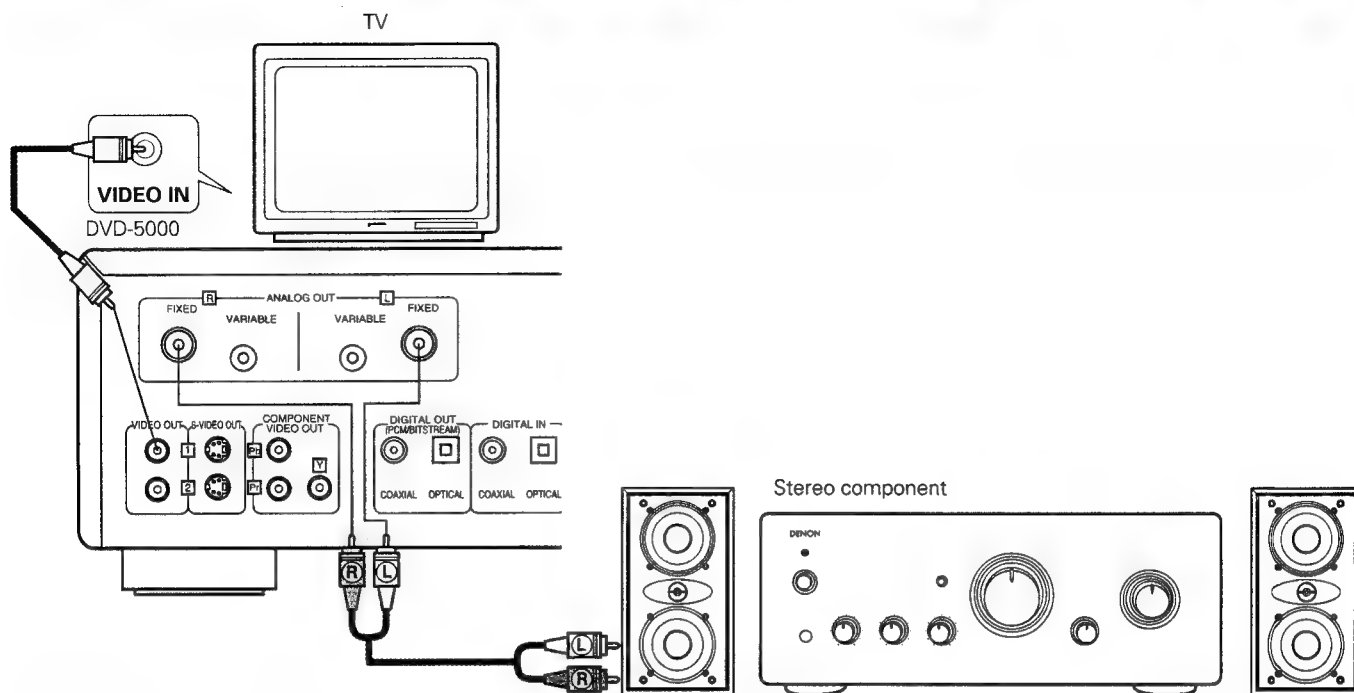


※ Set the "Digital Audio Output" default setting as shown below. (See page 47.)

- "LPCM (DVD)" → "PCM"
- "Dolby Digital" → "PCM"
- "dts" → "OFF"

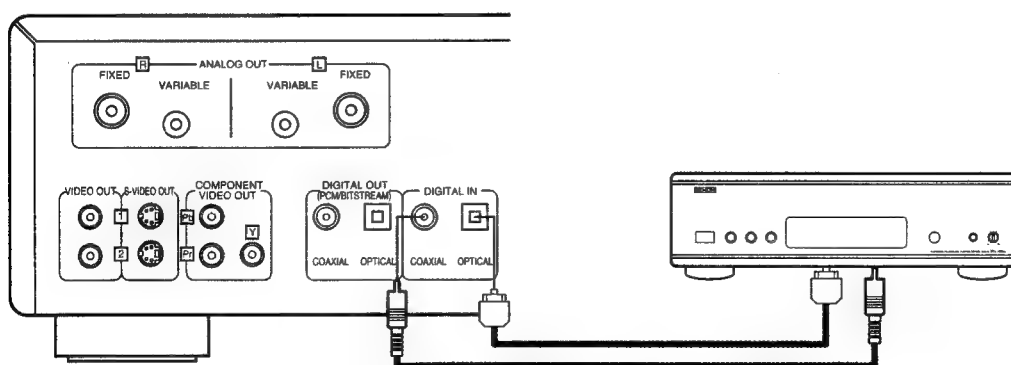
Playing DVDs with incorrect settings may result noise that could damage your ears or the speakers.

(5) Connecting to a Stereo Component



(6) Connecting to a Digital Audio Output Device

- To use optical signals, connect the OPTICAL digital audio input connector to the output connector.
- To use coaxial signals, connect the COAXIAL digital audio input connector to the output connector.
- The DVD-5000 can be used as a D/A converter by switching the output source selector to the connected digital audio input (OPTICAL/COAXIAL). (Refer to page 32.)



NOTES:

- Noise will be output if the digital data of a CD-ROM, etc., is input.
- Analog sound is not output if the Dolby Digital (AC-3) signals of a DVD, etc., are input.

5 PART NAMES AND FUNCTIONS

(1) Front Panel

- 1 POWER button**
 - Press once to turn the power on.
 - Press again to set to the "OFF" position and turn the power off.
 - Set the power to the standby mode by pressing the POWER button on the remote control unit while the power is on.
 - Turn the power on from the standby mode by pressing the POWER button on the remote control unit.
- 2 Power indicator**
 - This indicator lights when the power is on and when the power is in the standby mode.
- 3 HDCD indicator**
 - This indicator lights when playing discs recorded in HDCD® format.
- 4 AL 24 indicator**
 - This indicator lights when the audio signals of a DVD, etc., are being processed digitally with the AL 24 processor, a newly developed analog waveform reproduction technology.
- 5 Remote control sensor**
- 6 Display**
 - Information on the disc that is currently playing is shown on the display. (See page 16.)
- 7 PLAY button**
 - Press this to play the disc.
- 8 STOP button**
 - Press this to stop the disc. (See page 22.)
- 9 Skip button (◀◀)**
 - Press this to move back to the beginning of the current track (or chapter).
 - Press again to move back to the beginning of the previous track (or chapter).
- 10 Skip button (▶▶)**
 - Press this to move ahead to the beginning of the next track (or chapter).
- 11 SOURCE selector**
 - Use this to select the program source for output.
 DVD :The signals of the disc being played on the DVD-5000 are output.
 OPTICAL :The program source connected to the OPTICAL digital input connector is output.
 COAXIAL :The program source connected to the COAXIAL digital input connector is output.
 - The program source selected with this selector is also output to the digital output connector.
- 12 Disc tray**
 - Load discs here.
 - Press the OPEN/CLOSE button **13** to open and close the disc tray.
 - The disc tray is also closed when the PLAY button **7** is pressed.
- 13 OPEN/CLOSE button (▲ OPEN/CLOSE)**
 - Press this button to open and close the disc tray.
- 14 PHONES jack**
 - Use this to connect separately sold headphones.
- 15 LINE OUT/PHONES LEVEL control**
 - Use this to adjust the output level of the headphones jack and the analog output (VARIABLE).

(2) Rear Panel

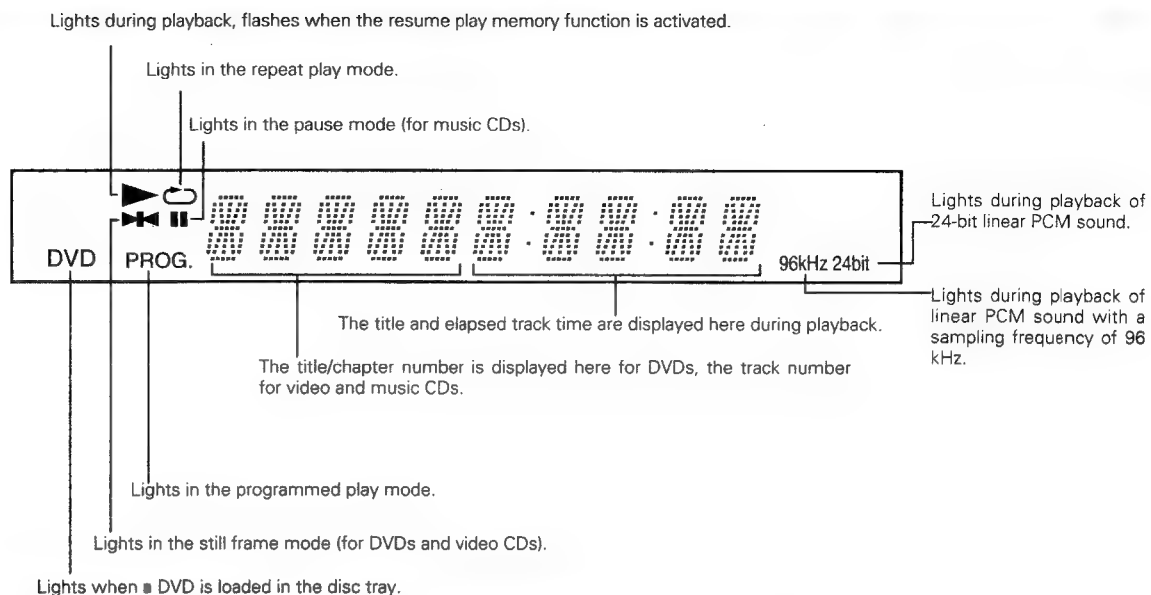
- 16 Video output connectors (VIDEO OUT)**
 - Connect using the included video cord.
- 17 S-Video output connectors (S-VIDEO OUT)**
 - Connect using an S-Video connection cord (available in stores).
- 18 Component video output connectors (COMPONENT)**
 - Connect using video cords (available in stores).
- 19 Digital audio output connector (COAXIAL)**
 - Connect using an audio cord. Connect a commercially available 75 Ω/ohms pin-plug cord.
 - Digital data is output from this connector.
- 20 Digital audio output connector (OPTICAL)**
 - Connect using an optical fiber cable (available in stores).
 - Digital data is output from this connector.
- 21 Digital audio input connector (COAXIAL)**
 - Input digital data to this connector.
 - Connect the COAXIAL digital output connector of a CD player, DAT deck, MD recorder, etc., to this connector to monitor the sound of that component.
- 22 Digital audio input connector (OPTICAL)**
 - Input digital data to this connector.
 - Connect the OPTICAL digital output connector of a CD player, DAT deck, MD recorder, etc., to this connector to monitor the sound of that component.
- 23 Control input connector (CONTROL IN)**
 - This is the input connector for wired remote control. Consult your DENON dealer if you wish to use this connector.
- 24 Control output connector (CONTROL OUT)**
 - This is the output connector for wired remote control. Consult your DENON dealer if you wish to use this connector.
- 25 Power input connector**
 - Connect the included power cord here.

NOTE:

- The power input connector's ground terminal is not connected.

- 26 ANALOG OUT connectors (FIXED/VARIABLE)**
 - Connect these to the input connectors of an amplifier, etc., to hear the sound of the DVD-5000 over the speakers through the amplifier.
 - When the VARIABLE output connectors are used, the sound level can be adjusted with the LINE OUT/PHONES LEVEL control **15**.

(3) Display



When the disc is loaded	OPEN	
When the disc is closed	CLOSE	
When no disc is loaded	NO DISC	
When playing a DVD with chapter search	DVD 25 1:23:45	During playback of chapter 25
When playing a DVD with title search	DVD 13 0:17:45	During playback of title 13
When playing an interactive karaoke DVD	DVD 13 PLAY	
When playing a video CD with track search	VCD 25 23:45	During playback of track 25
When playing a video CD with playback control	VCD PBC	
When playing a music CD	CD 25 23:45	
When playback is not possible	NO PLAY	

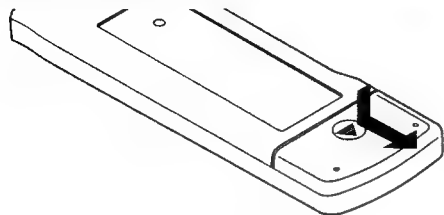
- For DVDs for which playback is restricted by the "Ratings" default setting
- DVDs with region numbers other than "1"
- PAL DVDs
- If the disc is dirty

6 REMOTE CONTROL UNIT

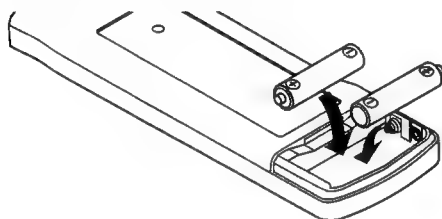
■ The DVD-5000 can be controlled from a distance using the included remote control unit (RC-540).

(1) Inserting Batteries

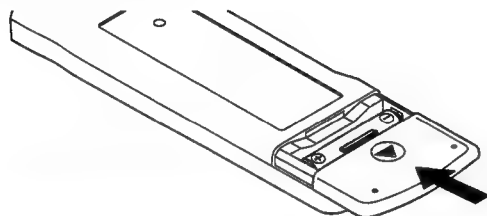
① Remove the remote control unit's rear cover.



② Place two SUM3 batteries in the battery compartment in the direction indicated by the marks.



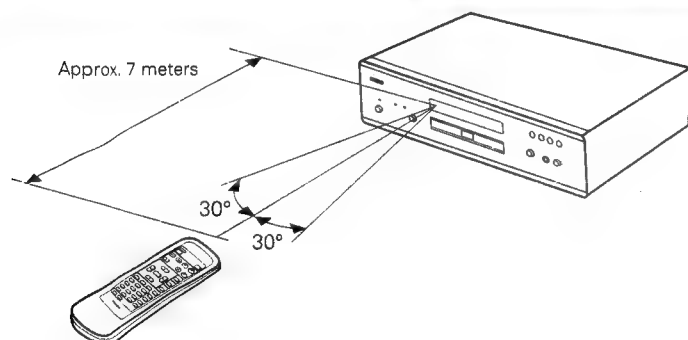
③ Close the rear cover.



Cautions On Batteries

- Use SUM3 batteries in this remote control unit.
- Replace the batteries with new ones approximately once a year, though this depends on the frequency with which the remote control unit is used.
- If the remote control unit does not operate from close to the main unit, replace the batteries with new ones, even if less than a year has passed.
- When inserting the batteries, be careful to do so in the proper direction, following the \oplus and \ominus marks in the remote control unit's battery compartment.
- To prevent damage or battery fluid leakage:
 - Do not use a new battery with an old one.
 - Do not use two different types of batteries.
 - Do not short-circuit, disassemble, heat or dispose of batteries in flames.
- Remove the batteries when not planning to use the remote control unit for a long period of time.
- If the batteries should leak, carefully wipe off the fluid from the inside of the battery compartment, then insert new batteries.

(2) Using the Remote Control Unit

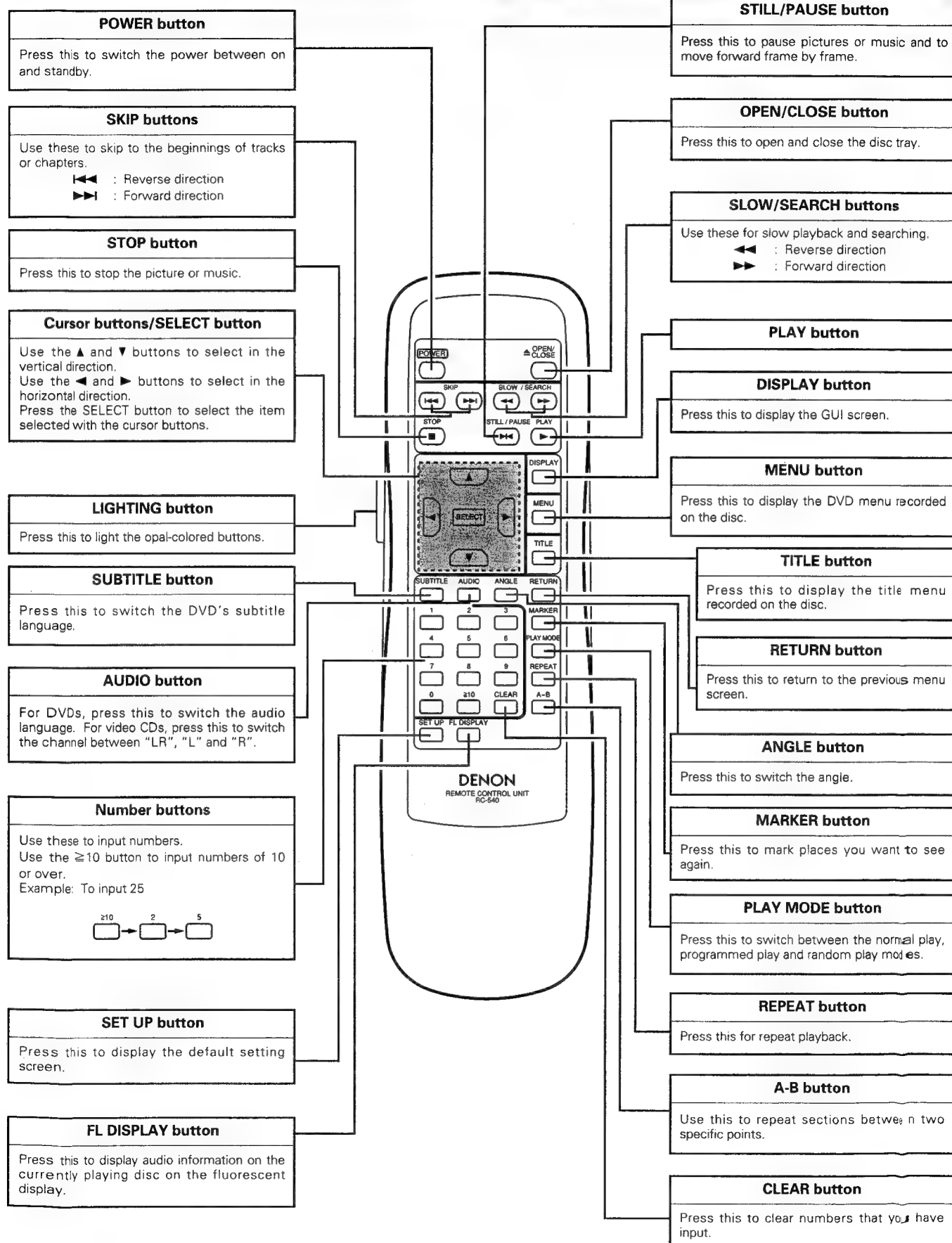


- When operating the remote control unit, point it at the remote control sensor as shown on the diagram.
- The remote control unit can be used from a direct distance of approximately 7 meters. This distance will be shorter, however, if there are obstacles in the way or if the remote control unit is not pointed directly at the remote control sensor.
- The remote control unit can be operated at a horizontal angle of up to 30° with respect to the remote control sensor.

NOTES:

- It may be difficult to operate the remote control unit if the remote control sensor is exposed to direct sunlight or strong artificial light.
- Do not press buttons on the main unit and on the remote control unit at the same time. Doing so will result in malfunction.

(3) Names and Functions of Remote Control Unit Buttons



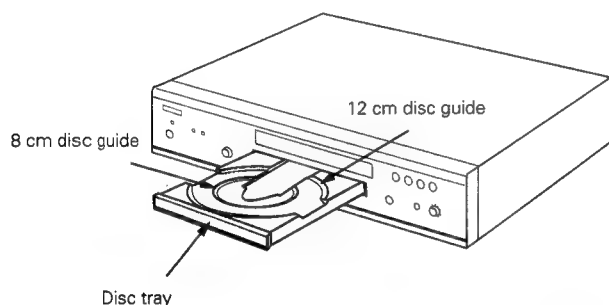
IMPORTANT SETUP INFORMATION

This set has the following presets: "Disc Languages", "Ratings", "Menu Language", "On-Screen Messages", "FL Display", "TV Aspect", "Digital Audio Output" and "Other Settings".

These presets have been preset upon shipment from the factory. If you wish to change them to suit your specific purposes, refer to pages 38 to 51.

7 LOADING DISCS

- Set discs in the disc tray with the labeled (printed) side facing up.

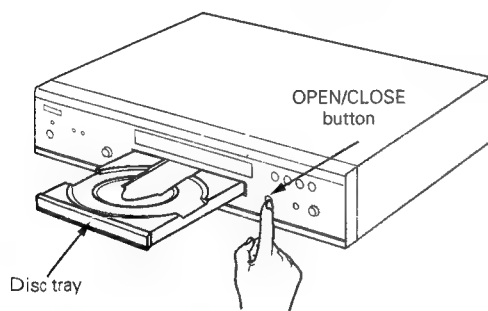


NOTE:

- Do not move the DVD-5000 while a disc is playing. Doing so may scratch the disc.

(1) Opening and Closing the Disc Tray

- ① Turn on the power.
- ② Press the OPEN/CLOSE button.



NOTES:

- Be sure to turn on the power before opening and closing the disc tray.
- Do not strike on the button with a pencil, etc.

(2) Loading Discs

- Pick up the disc carefully so as not to touch the signal surface, and hold it with the labeled side facing up.
- With the disc tray fully open, set the disc in the disc tray.
- Set 12 cm discs in the outer tray guide (Figure 1), 8 cm discs in the inner tray guide (Figure 2).
- Press the OPEN/CLOSE button. The disc is automatically loaded.
- The disc tray can also be closed automatically to load the disc by pressing the PLAY button.

Figure 1

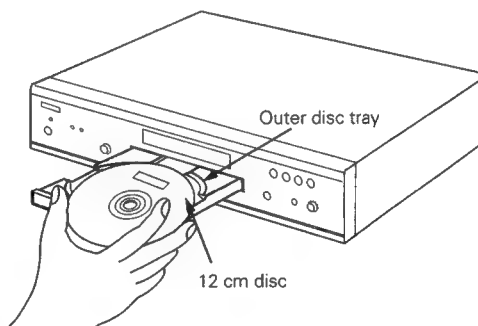
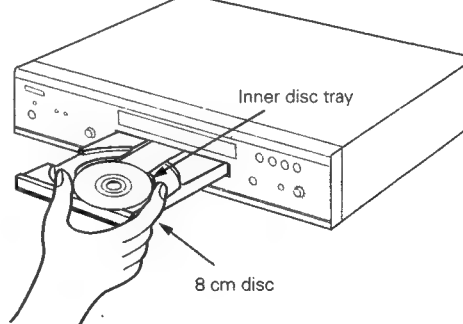


Figure 2

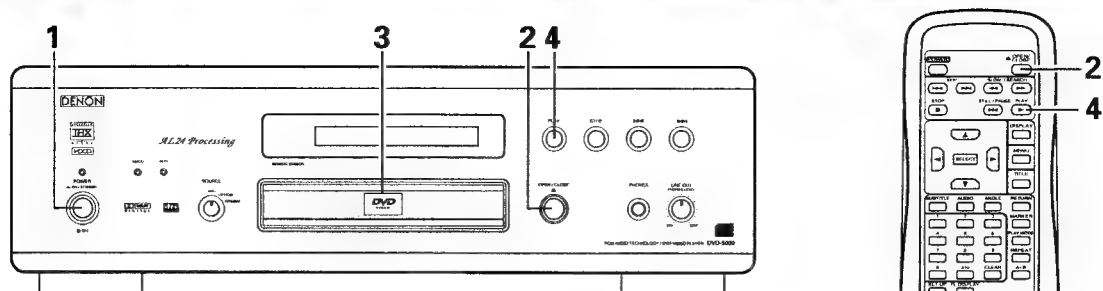




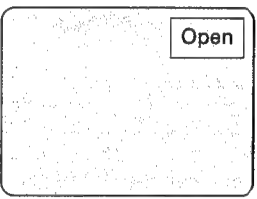
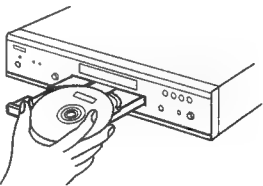

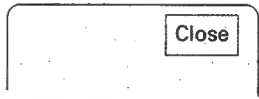
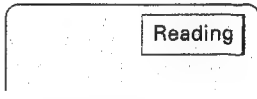
NOTES:

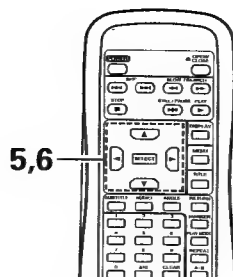
- If your fingers should get caught in the disc tray, stay calm and press the OPEN/CLOSE button.
- Do not press the disc tray in by hand when the power is off. Doing so will damage it.
- Do not place foreign objects in the disc tray. Doing so will damage it.

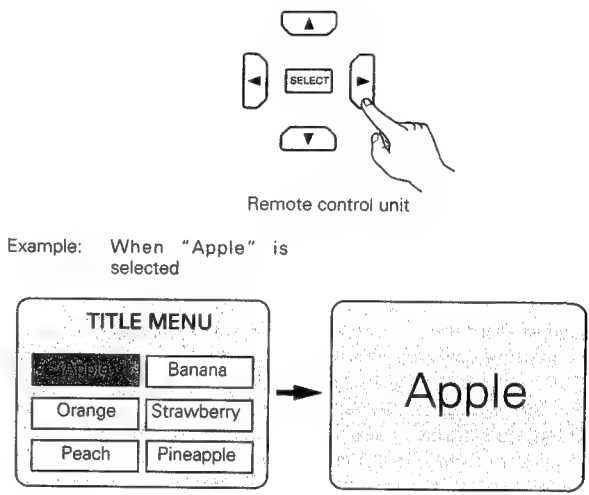

8 PLAYBACK

(1) Playback



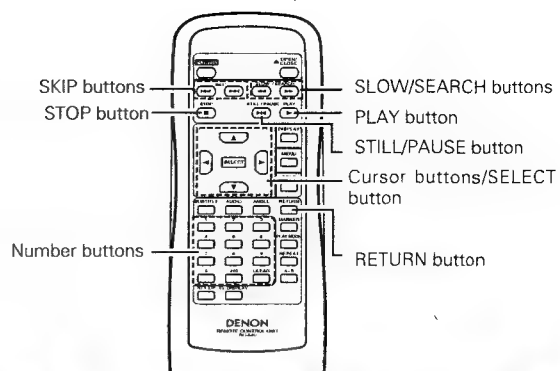
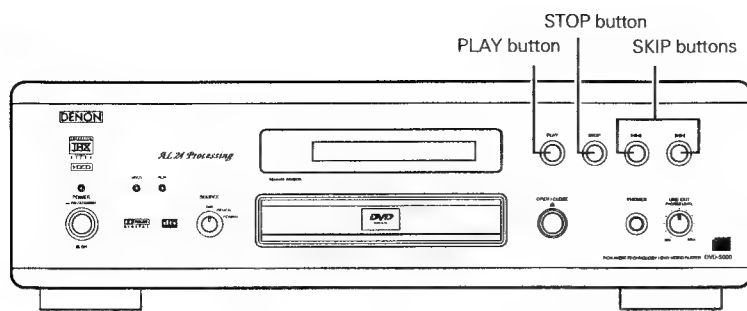
1	Turn on the power. <ul style="list-style-type: none">The power indicator lights and the power turns on.	 <p>POWER ON/STANDBY</p> <p>Main unit</p>													
2	Press the OPEN/CLOSE button to open the disc tray.	 <p>OPEN / CLOSE</p> <p>Main unit</p> <p>OPEN / CLOSE</p> <p>Remote control unit</p>  <p>Open</p>													
3	Load the disc in the disc tray.														
4	Press the PLAY button. <ul style="list-style-type: none">The disc tray closes automatically and playback begins.If the disc tray is closed with the OPEN/CLOSE button, press the PLAY button.For many interactive DVDs and video CDs with playback control, a menu screen appears. In this case use the procedure in step 5 to select the desired item. <p>※ Interactive DVDs are DVDs including multiple angles, stories, etc.</p>	 <p>PLAY</p> <p>Main unit</p> <p>PLAY</p> <p>Remote control unit</p>  <p>Close</p>  <p>Reading</p> <p>Example: For DVDs with menu screens</p> <table border="1"><thead><tr><th colspan="2">TITLE MENU</th></tr></thead><tbody><tr><td>Apple</td><td>Banana</td></tr><tr><td>Orange</td><td>Strawberry</td></tr><tr><td>Peach</td><td>Pineapple</td></tr></tbody></table> <p>Example: For video CDs with playback control</p> <table border="1"><tbody><tr><td>1. Opening</td></tr><tr><td>2. 1st movement</td></tr><tr><td>3. 2nd movement</td></tr><tr><td>4. 3rd movement</td></tr><tr><td>5. Ending</td></tr></tbody></table>	TITLE MENU		Apple	Banana	Orange	Strawberry	Peach	Pineapple	1. Opening	2. 1st movement	3. 2nd movement	4. 3rd movement	5. Ending
TITLE MENU															
Apple	Banana														
Orange	Strawberry														
Peach	Pineapple														
1. Opening															
2. 1st movement															
3. 2nd movement															
4. 3rd movement															
5. Ending															



<p>5</p>	<p>Use the cursor buttons (▲, ▼, ◀ and ▶) to select the desired item.</p> <ul style="list-style-type: none"> For some discs there is a second menu screen. If so, press the ►► button to display the next menu screen. (See the disc's jacket.) ※ The cursor buttons (▲, ▼, ◀ and ▶) do not work for video CDs. Use the number buttons to select the desired item. 	 <p>Remote control unit</p> <p>Example: When "Apple" is selected</p>
<p>6</p>	<p>Press the SELECT button.</p> <ul style="list-style-type: none"> The desired item is selected and playback starts. You can return to the menu screen by pressing the TITLE/MENU/RETURN button while the DVD is playing, though this depends on the disc. Press the RETURN button during playback of a video CD to return to the menu screen. 	 <p>Remote control unit</p>

NOTES:

- If ⊘ appears on the TV screen while buttons are being operated, that operation is not possible on the DVD-5000 or with that disc.
- Set the disc in the disc guide.
- Do not place more than one disc in the disc tray.
- The disc keeps turning while the menu screen is displayed on the TV screen.
- Always press the STOP button if you do not want to keep playing the disc.



(2) Stopping Playback

During playback, press the STOP button on the main unit or the remote control unit.

Resume play memory function

- With the DVD-5000, when the STOP button is pressed, that position is stored in the memory.
- When the PLAY button is pressed after pressing the STOP button, playback resumes from the position at which it was stopped.
- The resume play memory function is canceled if the disc tray is opened or the STOP button is pressed a second time.
- After 30 minutes in the stop mode, the DVD-5000's power automatically turns off and the standby mode is set. (Auto Power Off)
- If you do not want to continue playing the disc, to save electricity either press the POWER button on the main to turn the power off or press the POWER button on the remote control unit to set the power to the standby mode.



Main unit



Remote control unit

- ※ The resume play memory function only works for discs for which the elapsed time is shown on the display during playback.
The resume play memory function is not cleared when the power is switched between standby and on by pressing the POWER button on the remote control unit.

(3) Playing Still Pictures (Pausing)

During playback, press the STILL/PAUSE button on the remote control unit.

- Press the PLAY button to resume normal playback.

STILL / PAUSE



Remote control unit

(4) Forward/Reverse Searching

During playback, press one of the SLOW/SEARCH buttons on the remote control unit.

- ◀ : Reverse direction
- ▶ : Forward direction

- When pressed again, the search speed increases (in five steps).
- Press the PLAY button to resume normal playback.



Remote control unit

NOTE:

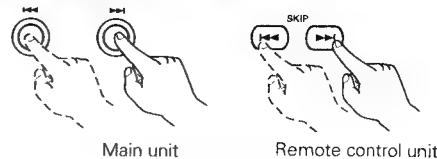
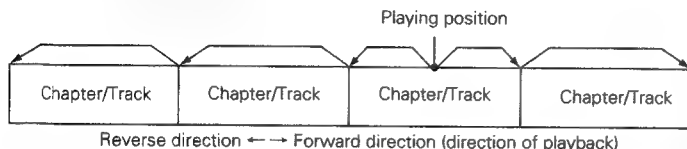
- In some cases the menu screen may reappear when one of the SLOW/SEARCH buttons is pressed during menu playback on a video CD.

(5) Skipping to the Beginning of Chapters or Tracks

During playback, press one of the skip buttons on the main unit or the remote control unit.

- ⏮ : Reverse direction
- ⏭ : Forward direction

- A number of chapters or tracks equal to the number of times the button is pressed is skipped.
- When the skip back button is pressed once, the pickup returns to the beginning of the currently playing chapter or track.



NOTE:

- In some cases the menu screen may reappear when one of the SKIP buttons is pressed during menu playback on a video CD.

(6) Playing Frame by Frame (for DVDs and video CDs only)

During playback, press the STILL/PAUSE button on the remote control unit.

- The picture moves forward one frame each time the button is pressed.
- Press the PLAY button to resume normal playback.

STILL / PAUSE



Remote control unit

(7) Slow Playback (for DVDs and video CDs only)

In the still mode, press one of the SLOW/SEARCH buttons on the remote control unit.

- ⏮ : Reverse direction
- ⏭ : Forward direction

- When pressed again, the slow play speed increases (in five steps).
- Press the PLAY button to resume normal playback.

SLOW / SEARCH



Remote control unit

NOTE:

- Reverse slow play is not possible on video CDs.

(8) Playing Video CDs with Playback Control

Playing Video CDs with Playback Control Without Using the Menu Playback Function

1

- Press the STOP button while the video CD's menu screen is displayed.
- The display switches from "PBC" to the time display.



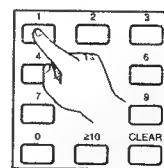
Main unit



Remote control unit

2

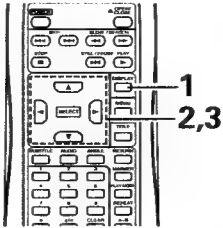
- Use the number buttons to input the desired track number.
- **To play the disc without using the menu playback function**
- Refer to the disc's jacket, etc., for the track numbers.
- To start playback from the beginning of the disc, press number button "1".
- **Returning to menu playback**
- Press the STOP button to stop playback, then press the MENU button. ("PBC" appears on the display window and the menu screen appears on the TV.) Now perform step 6 on page 21.

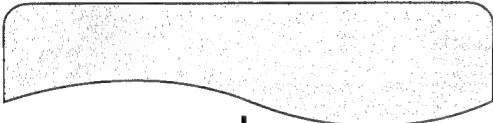
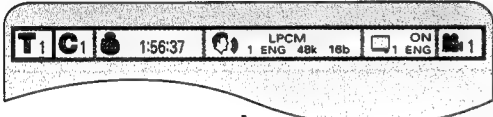

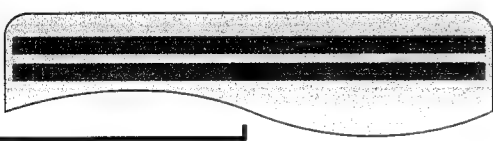
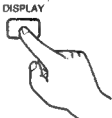

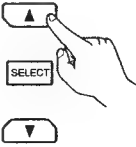


Remote control unit

9 USING THE GUI SCREENS

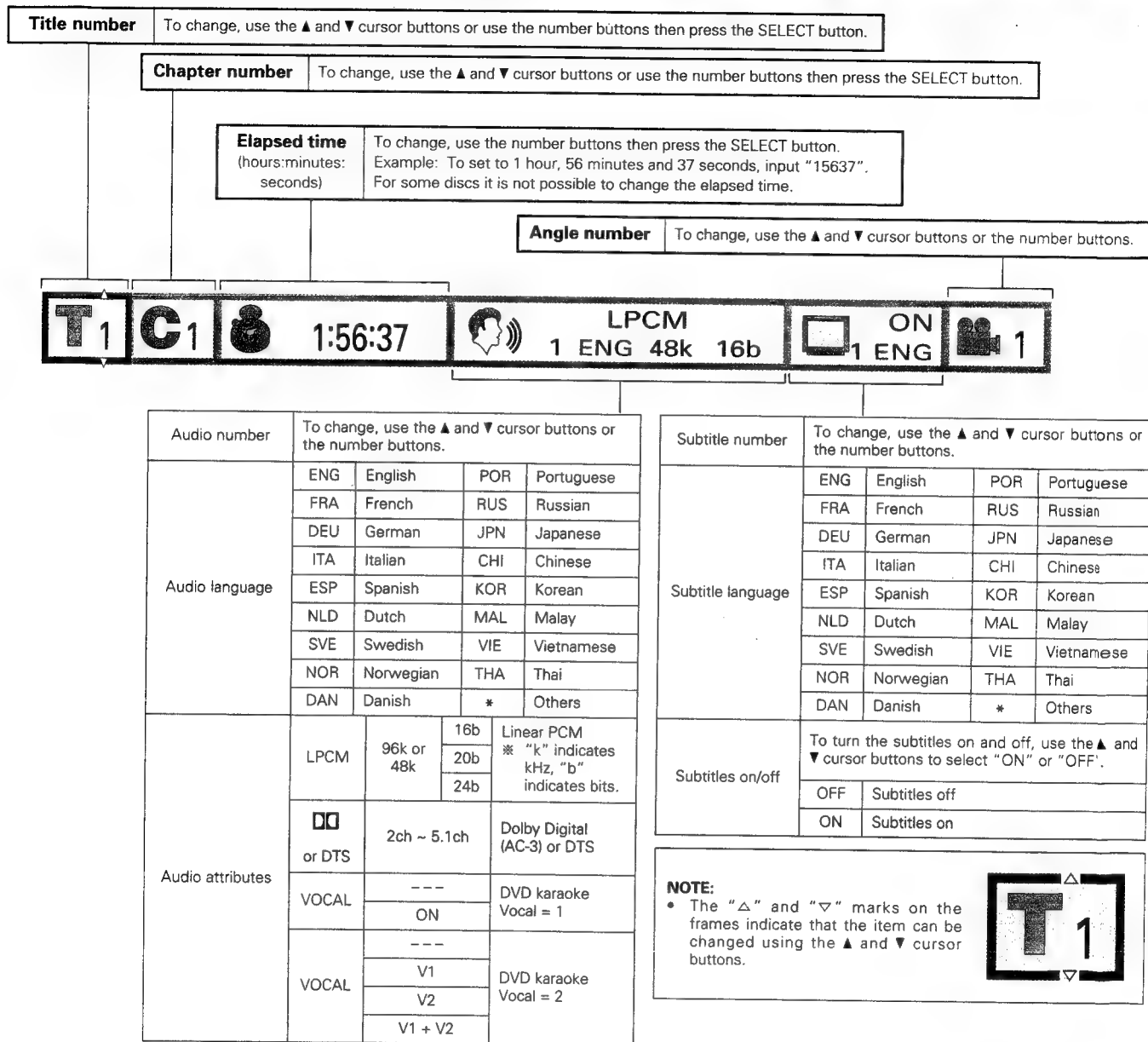
- Use this function to display and change information on the disc (titles, chapters, time, audio, subtitles, angles, etc.) and on the player (repeat, play mode, markers, etc.).



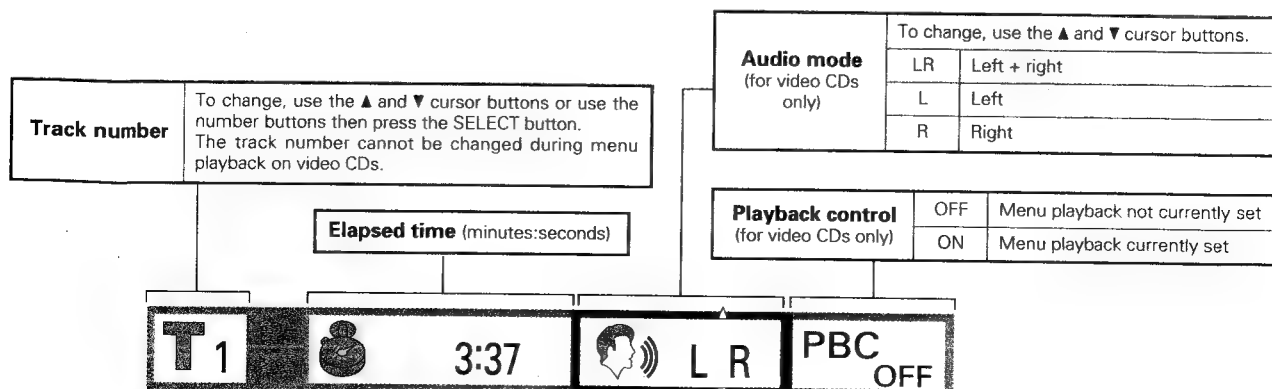
1	<p>In the play or stop mode, press the DISPLAY button.</p> <ul style="list-style-type: none"> The GUI (Graphical User Interface) screen appears. The picture on the TV screen switches each time the button is pressed. The items displayed differ from disc to disc. <p>Example: For DVDs</p> <ul style="list-style-type: none"> Normal playback screen  <p>↓</p> <ul style="list-style-type: none"> Disc information screen  <p>↓</p> <ul style="list-style-type: none"> Player information screen  <p>↓</p> <ul style="list-style-type: none"> Shuttle screen 	 <p>Remote control unit</p>
2	<p>Use the ◀ and ▶ cursor buttons to select the item you wish to change.</p> <ul style="list-style-type: none"> The selected item is displayed with a yellow frame. 	 <p>Remote control unit</p>
3	<p>Use the ▲ and ▼ cursor buttons to change the item.</p> <ul style="list-style-type: none"> Some changes are effective immediately, while some changes are only made after the SELECT or PLAY button is pressed. Also, some functions may not work from the stopped GUI screen. Numbers (for titles, etc.) can be changed using the number buttons. When this is done, press the SELECT button to make the change effective. 	 <p>Remote control unit</p>

Description of Icons Displayed on the TV Screen (Disc Information Screen)

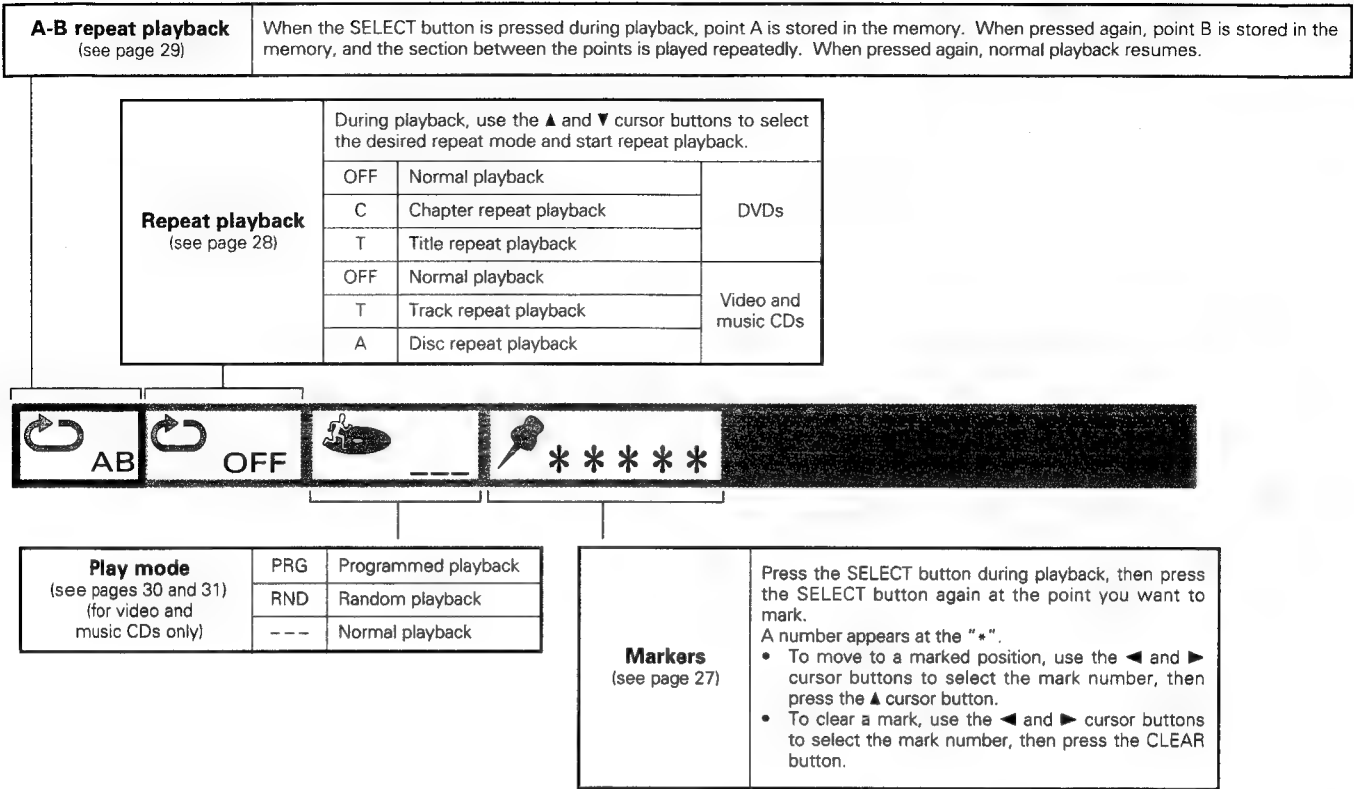
For DVDs



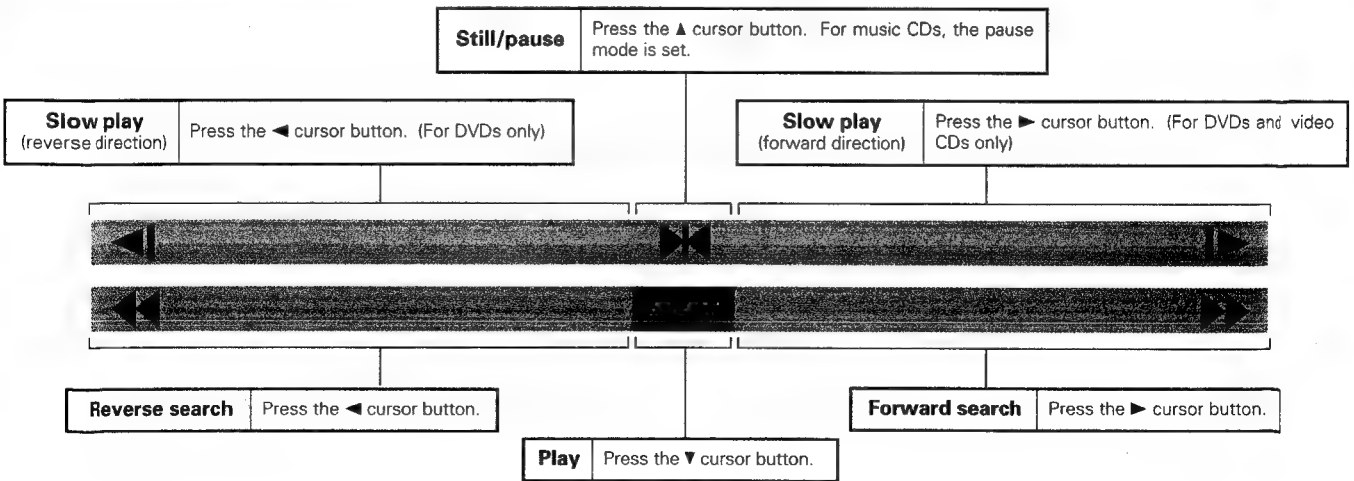
For video and music CDs



Description of Icons Displayed on the TV Screen (Player Information Screen)



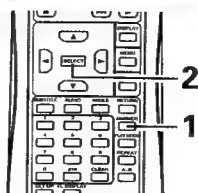
Description of Icons Displayed on the TV Screen (Shuttle Screen)



10 MARKING SCENES YOU WANT TO SEE AGAIN

■ Set marks at scenes you want to see again so that you can start playback from the marked position whenever you want.

Setting Marks

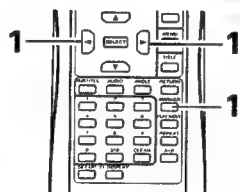


1	<p>During playback, press the MARKER button.</p> <ul style="list-style-type: none"> • The marker screen appears. • "*" is displayed if the mark is not set. 	<p>Remote control unit</p>
2	<p>Press the SELECT button at the scene you want to mark.</p> <ul style="list-style-type: none"> • A number is displayed. • Up to five marks can be set. • If the SELECT button is pressed at a position at which a number is displayed, the previously marked scene is unmarked and the new scene is marked. 	<p>Remote control unit</p>

NOTES:

- In some cases, subtitles may not be displayed at marked spots.
- The marking function cannot be used for DVDs and video CDs for which the elapsed time is not shown on the display during playback.
- The marks are retained until the power is turned off or the disc is ejected.

Calling Out Marked Scenes and Clearing Marks



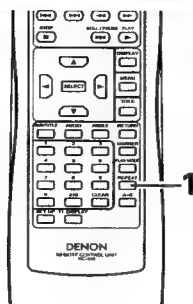
Remote control unit

1	<p>Use the ◀ and ▶ cursor buttons to select the mark number.</p> <ul style="list-style-type: none"> • If the marker screen is not displayed during playback, press the MARKER button to display it. 	
	<p>※ To play from the selected mark number: Press the ▲ cursor button. The disc returns to the selected mark and playback starts.</p> <p>※ Clearing the selected mark number: Press the CLEAR button. The selected mark is cleared.</p>	

11 PLAYING REPEATEDLY

- Use this function to play your favorite audio or video sections repeatedly.

Playing Repeatedly (Repeat Playback)

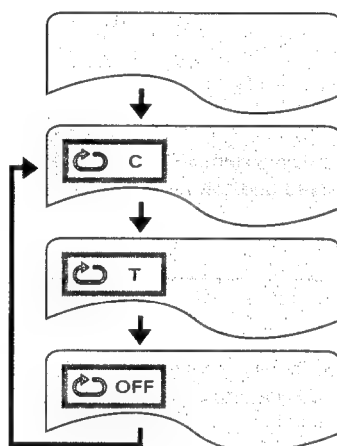


During playback, press the REPEAT button.

- The display on the TV screen switches each time the button is pressed, and the corresponding repeat play mode is set.

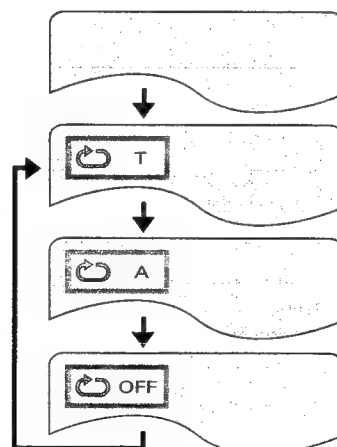
① For DVDs

- Normal playback
- Chapter repeated
- Title repeated
- Repeat playback canceled



② For video and music CDs

- Normal playback
- Track repeated
- Entire disc repeated
- Repeat playback canceled



REPEAT

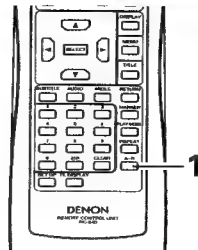


Remote control unit

※ To return to normal playback:

Return to normal playback by pressing the button REPEAT button until "↻ OFF" appears on the TV screen.

Playing a Certain Section Repeatedly (A-B Repeat Playback)



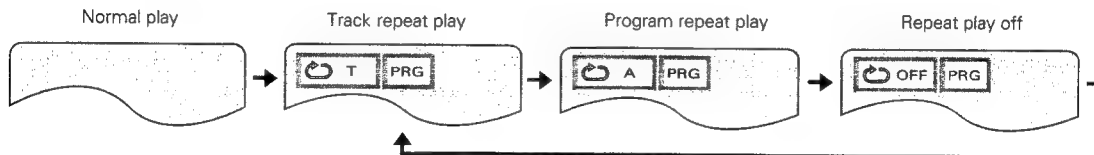
1	<p>During playback, press the A-B button.</p> <ul style="list-style-type: none"> This sets start point A. 	
2	<p>Press the A-B button again.</p> <ul style="list-style-type: none"> This sets end point B, and repeat playback of the A-B section starts. 	
<p>※ To return to normal playback: Press the A-B button until "↺ OFF" appears on the TV screen.</p>		

NOTES:

- Repeat playback may not work for some DVDs.
- The repeat playback and A-B repeat playback functions will not work for DVDs and video CDs for which the elapsed time is not shown on the display during playback.
- In some cases, subtitles may not be displayed near the A and B points during A-B repeat playback.

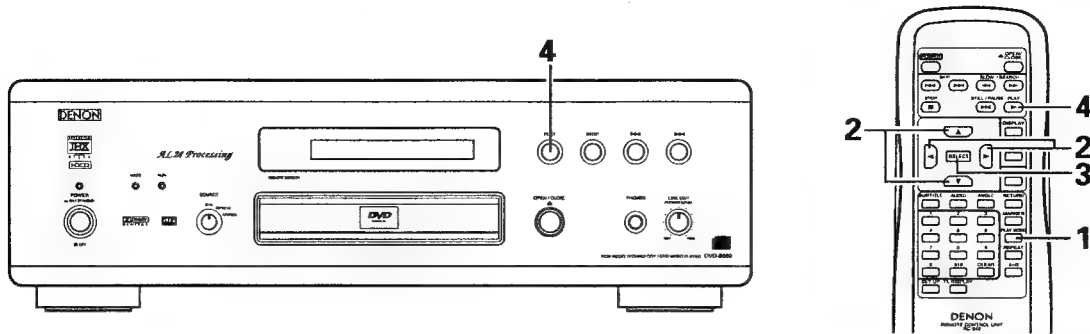
■ Setting the Repeat Play Mode During Programmed Playback

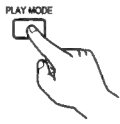
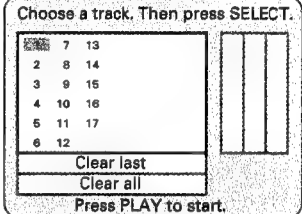
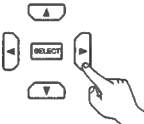
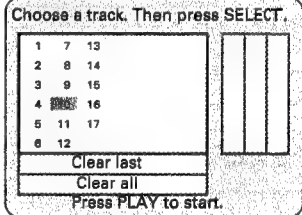

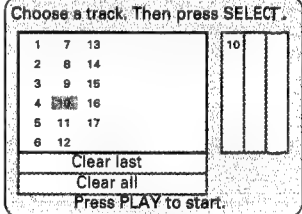


When the REPEAT button is pressed during programmed playback, the currently playback track starts playing repeatedly. If the REPEAT button is pressed again, repeat playback of the entire program begins. Return to programmed playback by pressing the button REPEAT button until "↺ OFF" appears on the TV screen.



12 PLAYING TRACKS IN THE DESIRED ORDER

■ Use this function with video and music CDs to play the tracks in the desired order. (This function will not work for some DVDs.)

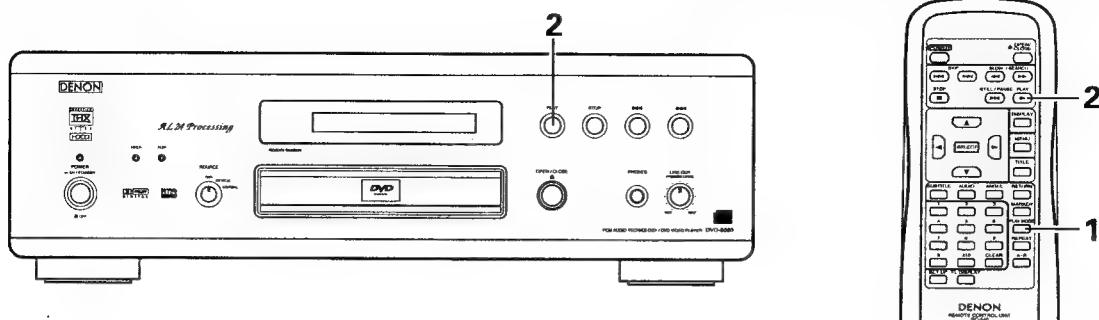


<p>1</p>	<p>In the stop mode, press the PLAY MODE button once.</p> <ul style="list-style-type: none"> The program selection screen appears. 	 <p>Remote control unit</p> 
<p>2</p>	<p>Use the cursor or number buttons to select the track number you want to program.</p> <ul style="list-style-type: none"> If you select the track number using the number buttons, skip step 3 below. 	 <p>Remote control unit</p> 
<p>3</p>	<p>Press the SELECT button.</p> <ul style="list-style-type: none"> The selected track number is programmed. To program more tracks, repeat steps 2 and 3. Up to 18 tracks can be programmed. 	 <p>Remote control unit</p> 
<p>4</p>	<p>Press the PLAY button.</p> <ul style="list-style-type: none"> Playback of the tracks in the programmed order begins. 	 <p>Main unit</p>  <p>Remote control unit</p>

- ※ Once all the programmed tracks have played:
The stop mode is set and the program selection screen reappears.
- ※ To return to normal playback:
Press the STOP button to stop programmed playback, then press the PLAY MODE button twice.
Now press the PLAY button to start normal playback from the beginning of the disc. The program is stored in the memory.
- ※ To clear tracks from the program:
Press the STOP button twice. The program play screen appears. Press the CLEAR button to clear the last track in the program, or use the ▼ cursor button to select "Clear last", then press the SELECT button.
- ※ To clear the entire program:
The entire program is cleared when the power is turned off or the disc is ejected. The entire program can also be cleared by using the ▼ cursor button to select "Clear all" from the program selection screen then pressing the SELECT button.

13 PLAYING THE TRACKS IN RANDOM ORDER

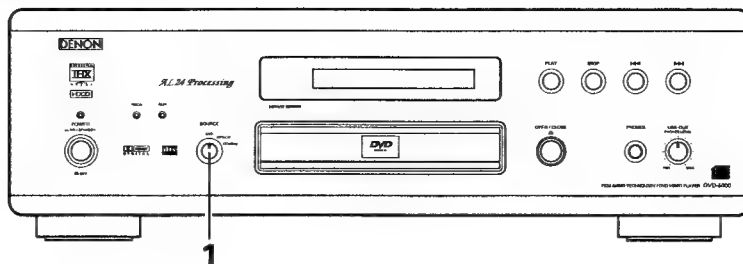
■ Use this function with video and music CDs to play the tracks in random order. (This function will not work for some DVDs.)



<p>1</p>	<p>In the stop mode, press the PLAY MODE button twice.</p> <ul style="list-style-type: none"> The random play screen appears. 	<p>Remote control unit</p>
<p>2</p>	<p>Press the PLAY button.</p> <ul style="list-style-type: none"> The tracks start playing in random order. "RANDOM" scrolls on the display tube when the tracks start playing. 	<p>Main unit Remote control unit</p>
<p>⊠ When random playback ends: The stop mode is set and the random play screen reappears.</p> <p>※ To return to normal playback: Press the STOP button to stop random playback, then press the PLAY MODE button once.</p>		

14 USING THE DVD-5000 AS A D/A CONVERTER

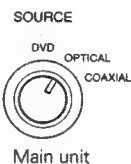
- The DVD-5000 can be used as a D/A converter by connecting it to an external digital component using the digital connectors.



1

Set the SOURCE selector to either "OPTICAL" or "COAXIAL".

- "—" appears in the track number display section. The sampling frequency of the external input signal is then displayed. ("—" is displayed if the sampling frequency cannot be detected.)



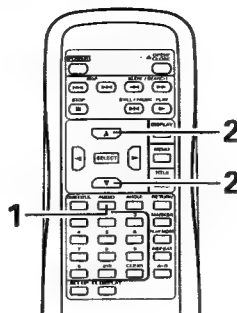
NOTES:

- When the source selector is set to "OPTICAL" or "COAXIAL", only the power button and the OPEN/CLOSE button will work.
- The stop mode is set if the source selector is switched to "OPTICAL" or "COAXIAL" during playback.
- Both analog and digital signals can be output.
- The DVD-5000 is not equipped with a Dolby Digital (AC-3) or DTS decoder. If such signals are input, they are output as such from the DVD-5000's digital audio output connectors, but nothing is output from the analog audio output connectors.
- Noise will be output if the digital data of a CD-ROM, etc., is input.

15 USING THE MULTIPLE AUDIO, SUBTITLE AND ANGLE FUNCTIONS

Switching the Audio Language (Multiple Audio Function)

■ With DVDs containing multiple audio language signals, the audio language can be switched during playback.



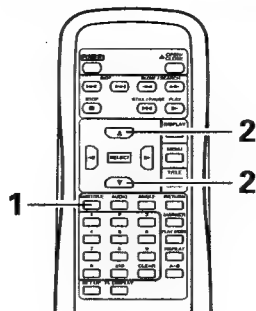
<p>1</p>	<p>During playback, press the AUDIO button.</p> <ul style="list-style-type: none"> • The current audio language number is displayed. • If no sound is recorded on the disc, "--" is displayed. 	<p>Remote control unit</p>
<p>2</p>	<p>Use the ▲ and ▼ cursor buttons to select the desired language.</p> <ul style="list-style-type: none"> • The display turns off when the AUDIO or SELECT button is pressed. 	<p>Remote control unit</p>


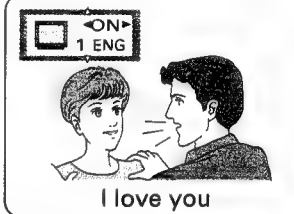
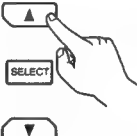

NOTES:

- If the desired language is not set after pressing the ▲ and ▼ cursor buttons several times, the disc does not include that language.
- The audio language set with the default settings (see page 39) is set when the power is turned on and when the disc is replaced. If that language is not included on the disc, the disc's default language is set.

Switching the Subtitle Language (Multiple Subtitle Function)

- With DVDs containing multiple subtitle language signals, the subtitle language can be switched during playback.



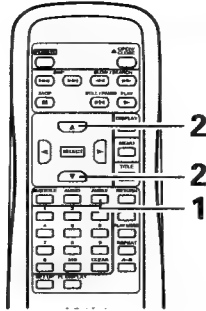
<p>1</p>	<p>During playback, press the SUBTITLE button.</p> <ul style="list-style-type: none"> • The current subtitle language number is displayed. • If no subtitles are recorded on the disc, "--" is displayed. 	 <p>Remote control unit</p> 
<p>2</p>	<p>Use the ▲ and ▼ cursor buttons to select the desired language.</p> <ul style="list-style-type: none"> • The display turns off when the SUBTITLE or SELECT button is pressed. • Use the ◀ and ▶ cursor buttons to turn the subtitles "ON" and "OFF". 	 <p>Remote control unit</p> 

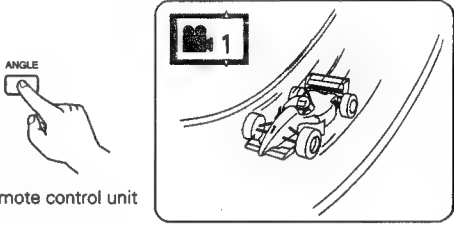
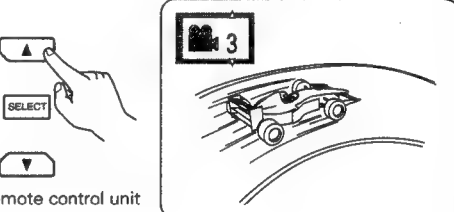
NOTES:

- If the desired language is not set after pressing the ▲ and ▼ cursor buttons several times, the disc does not include that language.
- The subtitle language set with the default settings (see page 39) is set when the power is turned on and when the disc is replaced. If that language is not included on the disc, the disc's default language is set.
- When the subtitle language is changed, several seconds may be required for the new language to appear.
- When a disc supporting the closed caption is played, the subtitle and the closed caption may overlap each other on the TV monitor. In this case, turn the subtitle off.

Switching the Angle (Multiple Angle Function)

- With DVDs containing multiple angle signals, the angle can be switched during playback.



1	<p>During playback, press the ANGLE button.</p> <ul style="list-style-type: none"> • The current angle number is displayed. 	 <p>Remote control unit</p>
2	<p>Use the ▲ and ▼ cursor buttons or the number buttons to select the desired angle.</p> <ul style="list-style-type: none"> • The display turns off when the ANGLE or SELECT button is pressed. 	 <p>Remote control unit</p>

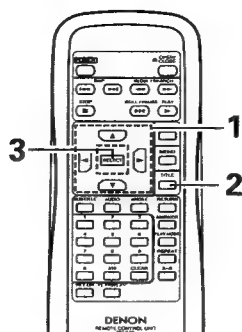
NOTES:

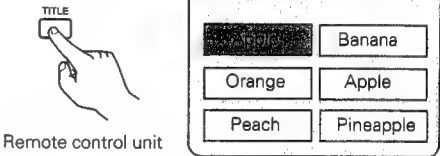
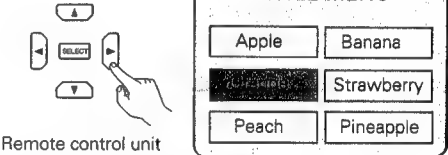
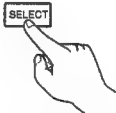
- The multiple angle function only works with discs on which multiple angles are recorded.
- At scenes where multiple angles are recorded, the angle can be switched.
- Even at scenes where multiple angles are not recorded, the angle number can be preset. In this case the angle switches to the preset angle once a scene at which multiple angles are recorded is reached.

16 USING THE MENUS

Using the Title Menu

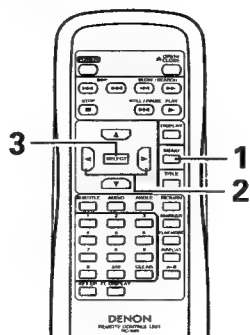
- For DVDs containing multiple titles, the desired title can be selected and played from the title menu.

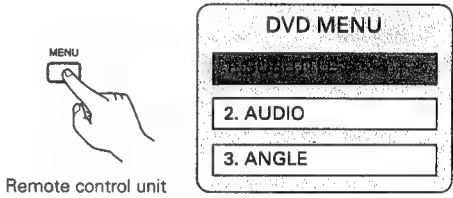
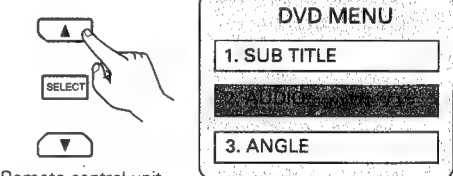
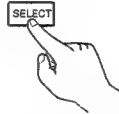


<p>1</p>	<p>During playback, press the TITLE button.</p> <ul style="list-style-type: none"> • The title menu appears. • If the TITLE button is pressed again, the disc returns to the point at which the title menu was called out and playback resumes from that point. 	<p>Example:</p>  <p>Remote control unit</p>
<p>2</p>	<p>Use the cursor or number buttons to select the desired title.</p> <ul style="list-style-type: none"> • If you select the title number using the number buttons, skip step 3 below. 	<p>Example: When "Orange" is selected</p>  <p>Remote control unit</p>
<p>3</p>	<p>Press the SELECT button.</p> <ul style="list-style-type: none"> • Playback starts. • Playback also starts if the PLAY button is pressed. 	 <p>Remote control unit</p>

Using the DVD Menu

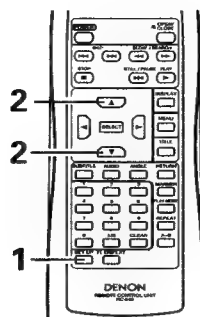
- Some DVDs include special menus called DVD menus. For example, DVDs with complex contents may contain guide menus, and DVDs with multiple languages may contain audio and subtitle language menus. These menus are called "DVD menus". Here we describe the general procedure for using DVD menus.


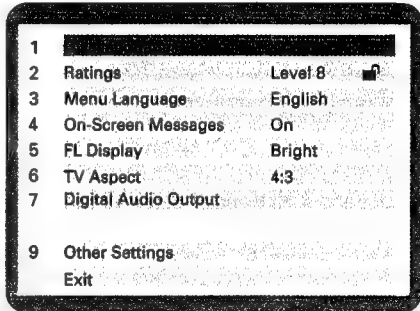
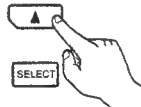




<p>1</p>	<p>During playback, press the MENU button.</p> <ul style="list-style-type: none"> The DVD menu appears. If the MENU button is pressed again, the disc returns to the point at which the DVD menu was called out and playback resumes from that point. 	<p>Example:</p>  <p>Remote control unit</p>
<p>2</p>	<p>Use the ▲ or ▼ cursor buttons or the number buttons to select the desired item.</p> <ul style="list-style-type: none"> If you select the item using the number buttons, skip step 3 below. 	<p>Example: When "AUDIO" is selected</p>  <p>Remote control unit</p>
<p>3</p>	<p>Press the SELECT button.</p> <ul style="list-style-type: none"> The selected item is set. If more menus appear, repeat steps 2 and 3. 	 <p>Remote control unit</p>

17 CHANGING THE DEFAULT SETTINGS

- The default values preset upon shipment from the factory can be changed.
The default settings are retained until they are again changed, even if the power is turned off.

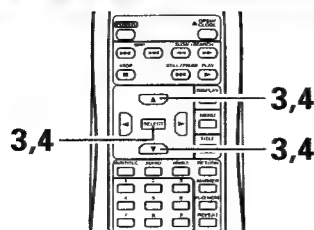


<p>1</p>	<p>In the stop mode, press the SET UP button.</p> <ul style="list-style-type: none"> • The default setting screen appears. <p>1. Disc Languages Use this to set the language to be used when playing the disc. If the set language is not offered on that disc, the disc's default language is set.</p> <p>2. Ratings Use this to disable playback of adult DVDs so that children cannot watch them. Note that playback of adult DVDs cannot be disabled if the rating level is not recorded on the DVD, but that it is possible to disable playback of all DVDs.</p> <p>3. Menu Language Use this to set the language for the default setting screen and messages displayed on the TV screen ("PLAY", etc.).</p> <p>4. On-Screen Messages Use this to set whether or not to display messages ("PLAY", etc.) on the TV screen.</p> <p>5. FL Display Use this to set the brightness of the display.</p> <p>6. TV Aspect Set this according to the size of the connected TV's screen (4:3 or 16:9).</p> <p>7. Digital Audio Output Use this to set the audio signals output from the digital audio output connectors.</p> <p>9. Other Settings These include special settings such as audio dynamic range compression.</p>	 <p>Remote control unit</p> 
<p>2</p>	<p>Use the ▲ and ▼ cursor buttons to select the desired setting, then press the SELECT button.</p> <ul style="list-style-type: none"> • Select "1 Disc Languages". (See page 39.) • Select "2 Ratings". (See pages 40, 41 and 42.) • Select "3 Menu Language". (See page 43.) • Select "4 On-Screen Messages". (See page 44.) • Select "5 FL Display". (See page 45.) • Select "6 TV Aspect". (See page 46.) • Select "7 Digital Audio Output". (See pages 47 and 48.) • Select "9 Other Settings". (See pages 49 and 50.) 	 <p>Remote control unit</p>  <p>Remote control unit</p>  <p>Remote control unit</p>

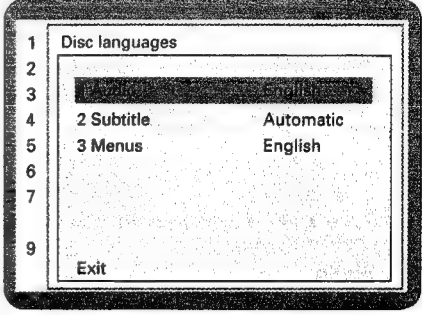
NOTE:

- When the player is set to the "Lock All" setting in "2 Ratings", none of the initial setting, including "2 Rating", can be changed if the DVD disc is left inside the player. In this case, remove the disc, and then operate the player.

When "1 Disc Languages" is Selected

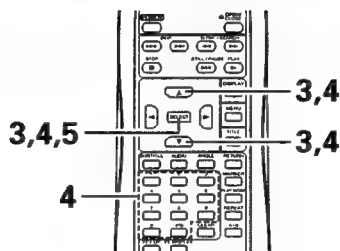


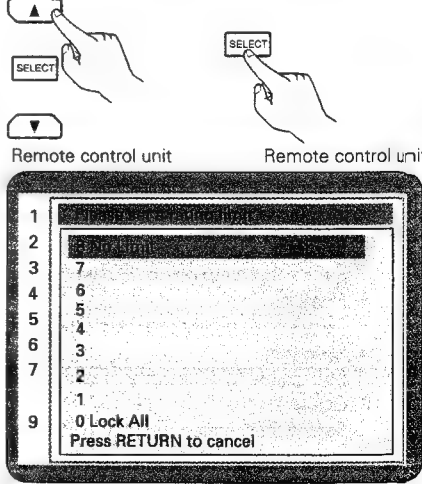
<p>1</p> <p>2</p>	<p>See page 38.</p>	
<p>3</p>	<p>Use the ▲ and ▼ cursor buttons to select the desired setting, then press the SELECT button.</p> <p>1. Audio Use this to set the language of the sound output from the speakers.</p> <p>2. Subtitle Use this to set the language of the subtitles displayed on the TV.</p> <p>3. Menus Use this to set the language of the title menus (menus recorded on the disc), etc.</p>	
<p>4</p>	<p>Use the ▲ and ▼ cursor buttons to select the desired setting, then press the SELECT button.</p> <p>① When "1 Audio" is selected:</p> <p>1. English (factory default) Select this to play the sound in English.</p> <p>2. French Select this to play the sound in French.</p> <p>3. Spanish Select this to play the sound in Spanish.</p> <p>4. Original Select this to play the disc's original sound.</p> <p>5. Other * * * * Select this to play the disc with a language other than the ones above. Use the number buttons to input the 4-digit language number shown on page 51.</p> <p>② When "2 Subtitle" is selected:</p> <p>1. Automatic (factory default) The subtitle language is automatically set to the same language as the audio language.</p> <ul style="list-style-type: none"> When the disc is played with the audio language set for the "1 Audio" setting, the subtitles are not displayed. When the disc is played with an audio language other than the one set for the "1 Audio" setting, the subtitles are displayed in the language set for the "1 Audio" setting. <p>2. English Select this to play the disc with English subtitles.</p> <p>3. French Select this to play the disc with French subtitles.</p> <p>4. Spanish Select this to play the disc with Spanish subtitles.</p> <p>5. Other * * * * Select this to play the disc with subtitles in a language other than the ones above. Use the number buttons to input the 4-digit language number shown on page 51.</p>	


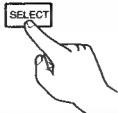
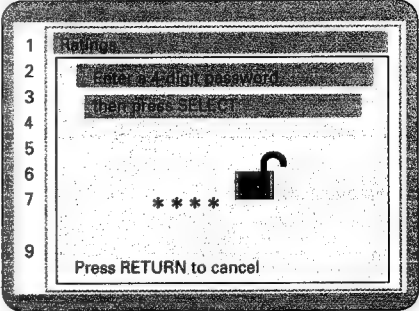

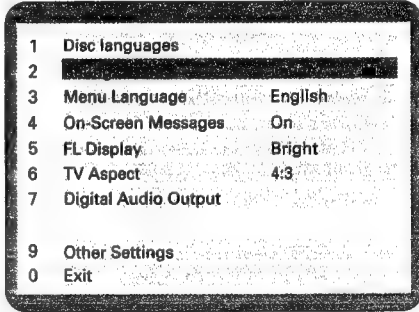
4	<p>③ When "3 Menus" is selected:</p> <p>1. English (factory default) Select this to display the menus in English.</p> <p>2. French Select this to display the menus in French.</p> <p>3. Spanish Select this to display the menus in Spanish.</p> <p>5. Other * * * * Select this to display the menus in a language other than the ones above. Use the number buttons to input the 4-digit language number shown on page 51.</p>	
5	<p>The settings are completed, and the screen in step 3 reappears.</p>	
<p>※ To return to the previous menu screen: Press the RETURN button.</p> <p>※ To exit the default settings: Press the SET UP button or number button "0" at the default setting screen in step 1 on page 38.</p>		

When "2 Ratings" is Selected

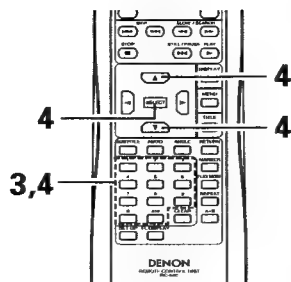
1. When playback is not restricted (Level 8)



1	See page 38.	
2	<p>Use the ▲ and ▼ cursor buttons to select "2 Ratings", then press the SELECT button.</p> <p>Level 8 (factory default) Select this to play all DVDs.</p> <p>Level 7 to Level 2 Select this to play DVDs for general audiences and children. Adult DVDs cannot be played.</p> <p>Level 1 Select this to play only DVDs for children. (Adult and general audience DVDs cannot be played.)</p> <p>Level 0 Select this to disable playback of all DVDs. Use this for example to disable playback of adult DVDs on which the rating level is not recorded.</p>	

4	<p>If  rating of Level 7 or lower has been selected, use the number buttons to input a 4-digit password, then press the SELECT button.</p> <p>※ Do not forget the password.</p> <p>※ Once locked, the setting cannot be changed without inputting the correct password.</p>	<div><p>Remote control unit</p><p>Example: When "Level 7" is selected</p></div>
5	<p>Press the SELECT button.</p>	
6	<p>The settings are completed, and the screen in step 1 on page 38 reappears.</p>	
<p>※ To return to the previous menu screen: Press the RETURN button. (The RETURN button will not function after the SELECT button is pressed in step 5.)</p> <p>※ To exit the default settings: Press the SET UP button or number button "0" at the default setting screen in step 1 on page 38.</p>		

2. When playback is restricted (Level 0 to 7)

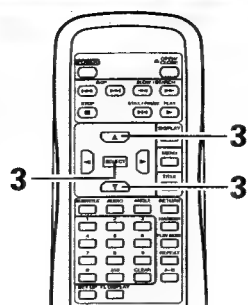


<p>1</p> <p>2</p>	<p>See page 38.</p>
<p>3</p>	<p>Use the number buttons to input the correct password, then press the SELECT button.</p> <div data-bbox="1129 658 1307 792"> <p>Remote control unit</p> </div> <div data-bbox="1015 808 1433 1122"> </div>
<p>4</p>	<p>① To cancel the restriction (unlock the player):</p> <ul style="list-style-type: none"> Press number button "1", then press the SELECT button. The screen in step 1 on page 38 reappears. <p>② To change the password:</p> <ul style="list-style-type: none"> Press number button "2". Use the number buttons to input the new password, then press the SELECT button. Press the SELECT button. The screen in step 1 on page 38 reappears. <p>③ To change the rating level:</p> <ul style="list-style-type: none"> Press number button "3". Use the ▲ and ▼ cursor buttons or the number buttons to select the desired level, then press the SELECT button. The screen in step 1 on page 38 reappears. <p>④ To temporarily cancel the restriction (unlock the player):</p> <ul style="list-style-type: none"> Press number button "4". Press the SELECT button. The screen in step 1 on page 38 reappears. <p>⑤ To exit without changing the rating level</p> <ul style="list-style-type: none"> Press number button "0". The screen in step 1 on page 38 reappears. <div data-bbox="1129 1160 1299 1317"> <p>Remote control unit</p> </div> <div data-bbox="1010 1361 1430 1682"> </div>
<p>※ To return to the previous menu screen: Press the RETURN button.</p> <p>※ To exit the default settings: Press the SET UP button or number button "0" at the default setting screen in step 1 on page 38.</p>	

NOTE:

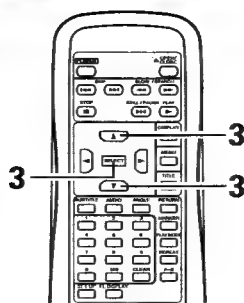
- Some discs may not be encoded with specific rating level information though its disc jacket says that it is for "adults". For those discs, the age restriction will not work.

When "3 Menu Language" is Selected



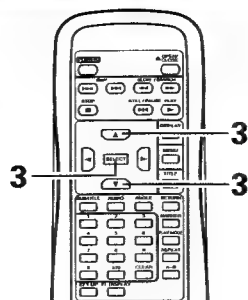
<p>1</p>	<p>See page 38.</p>
<p>2</p>	<p>Use the ▲ and ▼ cursor buttons to select "3 Menu Language", then press the SELECT button.</p> <p>1. English (factory default) Select this to set the language used for the default setting screen and the "PLAY" and other messages displayed on the TV screen to English.</p> <p>2. French Select this to set the language used for the default setting screen and the "PLAY" and other messages displayed on the TV screen to French.</p> <p>3. Spanish Select this to set the language used for the default setting screen and the "PLAY" and other messages displayed on the TV screen to Spanish.</p>
<p>3</p>	<div data-bbox="954 712 1396 1205"> <p>Select the language for these Menus.</p> <p>1</p> <p>2</p> <p>3 2 Français</p> <p>4 3 Español</p> <p>5</p> <p>6</p> <p>7</p> <p>9 Press RETURN to cancel</p> </div> <div data-bbox="954 1232 1380 1550"> <p>1 Disc languages</p> <p>2 Ratings Level 8</p> <p>3</p> <p>4 On-Screen Messages On</p> <p>5 FL Display Bright</p> <p>6 TV Aspect 4:3</p> <p>7 Digital Audio Output</p> <p>9 Other Settings</p> <p>Exit</p> </div>
	<p>4</p> <p>The settings are completed, and the screen in step 1 on page 38 reappears.</p>
<p>※ To return to the previous menu screen: Press the RETURN button.</p> <p>※ To exit the default settings: Press the SET UP button or number button "0" at the default setting screen in step 1 on page 38.</p>	

When "4 On-Screen Messages" is Selected



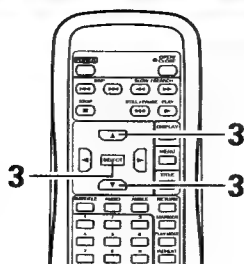
1	See page 38.
2	
3	<p>Use the ▲ and ▼ cursor buttons to select "1 On" or "2 Off", then press the SELECT button.</p> <p>1. On (factory default) Such messages as "PLAY" are constantly displayed on the TV screen.</p> <p>2. Off Such messages as "PLAY" are not constantly displayed on the TV screen.</p> <div data-bbox="997 712 1436 1198"> </div>
4	<p>The settings are completed, and the screen in step 1 on page 38 reappears.</p> <div data-bbox="997 1227 1420 1545"> </div>
<p>※ To return to the previous menu screen: Press the RETURN button.</p> <p>※ To exit the default settings: Press the SET UP button or number button "0" at the default setting screen in step 1 on page 38.</p>	

When "5 FL Display" is Selected



1	See page 38.
2	
3	<p>Use the ▲ and ▼ cursor buttons to select the desired screen brightness, then press the SELECT button.</p> <p>1. Bright (factory default) The display indications are always bright.</p> <p>2. Dim The display indications are always dim.</p> <p>3. Dim During DVD/VCD Play (Auto) The indications on the display window are only dim when playing DVDs or video CDs, but are temporarily bright during the slow play and search operations.</p> <div data-bbox="954 712 1401 1198"> <p>Remote control unit Remote control unit</p> </div>
4	<p>The settings are completed, and the screen in step 1 on page 38 reappears.</p> <div data-bbox="954 1232 1380 1545"> </div>
<p>※ To return to the previous menu screen: Press the RETURN button.</p> <p>※ To exit the default settings: Press the SET UP button or number button "0" at the default setting screen in step 1 on page 38.</p>	

When "6 TV Aspect" is Selected



1

See page 38.

2

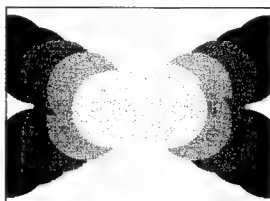
3

Use the ▲ and ▼ cursor buttons to select "6 TV Aspect", then press the SELECT button.

① 4:3 (factory default)

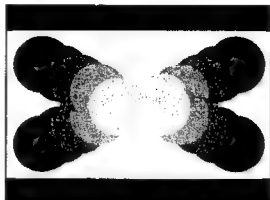
Select this when a conventional size TV is connected. (Factory preset)

- The video material formatted in the Pan & Scan style is played back in that style (the left and right edges are cut off).



- The video material not formatted in the Pan & Scan style is played back in the letterbox style (black bands appear at top and bottom of screen).

※ Set the Pan & Scan and letter box setting at "3 TV Mode" under "9 Other Settings". (Refer to page 49.)

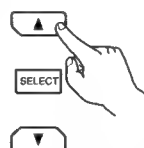
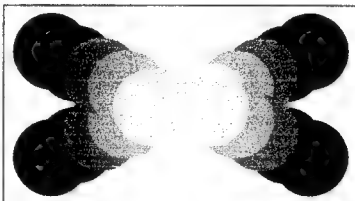


② 16:9

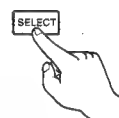
Select this when a wide-screen TV is connected.

Played in "FULL" size. (Setting the wide-screen TV to "FULL" mode is also necessary.)

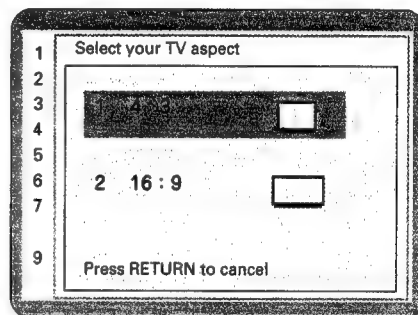
- ※ Each screen shows an example when the video material for a wide-screen is played. (This setting does not affect the video material for conventional size.)



Remote control unit

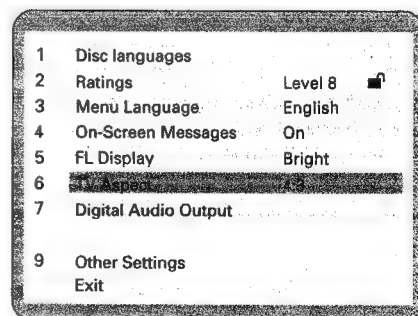


Remote control unit



4

The settings are completed, and the screen in step 1 on page 38 reappears.



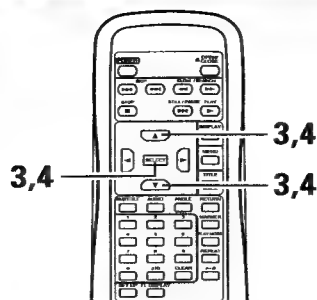
※ To return to the previous menu screen:

Press the RETURN button.

※ To exit the default settings:

Press the SET UP button or number button "0" at the default setting screen in step 1 on page 38.

When "7 Digital Audio Output" is Selected



1

See page 38.

2

3

Use the ▲ and ▼ cursor buttons to select "7 Digital Audio Output", then press the SELECT button.

1. LPCM (DVD)

Select whether or not to convert the signals output from the digital audio output connectors (optical and coaxial) into 48 kHz signals when playing DVDs recorded in linear PCM.

2. Dolby Digital

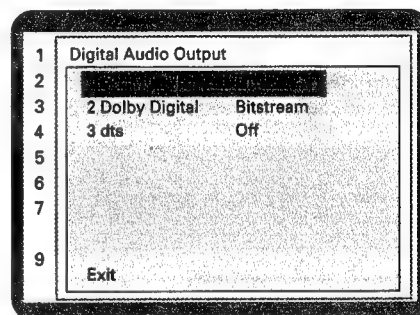
Select the signal format (bitstream or PCM) of the signals output from the digital audio output connectors (optical and coaxial) when playing DVDs recorded in Dolby Digital (AC-3).

3. DTS

Select the signal format (bitstream or off) of the signals output from the digital audio output connectors (optical and coaxial) when playing DVDs recorded in dts.



Remote control unit



4

Use the ▲ and ▼ cursor buttons to select the desired setting, then press the SELECT button.

① When "1 LPCM (DVD)" is selected

1. Off (factory default)

Only linear PCM audio signals recorded in 48 kHz/16 bits are output from the digital output connectors.

Nothing is output from the digital output connectors when DVDs with 48 kHz/20- or 24-bit audio signals or 96 kHz audio signals are played.

2. PCM

When DVDs with 48 kHz/20- or 24-bit audio signals or 96 kHz audio signals are played, the signals are converted into 48 kHz signals and output from the digital output connectors.

(In consideration of copyrights, the digital output of the PCM audio data is actually under 48 kHz.)

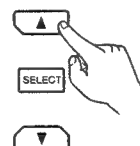
② When "2 Dolby Digital" is selected

1. Bitstream (factory default)

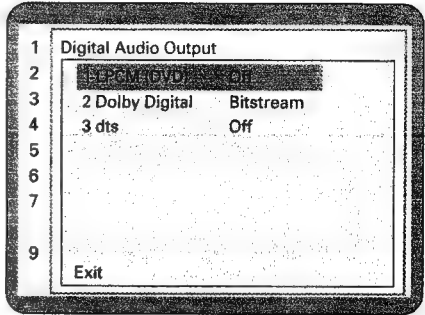
Dolby Digital (AC-3) bitstream (2- to 5.1-channel) audio data is output when playing DVDs recorded in Dolby Digital (AC-3). Select this position when connecting a Dolby Digital (AC-3) decoder.

2. PCM

When DVDs recorded in Dolby Digital (AC-3) are played, the signals are converted into 48 kHz PCM (2-channel) signals for output.



Remote control unit

<p>4</p>	<p>③ When "3 dts" is selected</p> <p>1. Off (factory default) No output.</p> <p>2. Bitstream DTS bitstream (2- to 5.1-channel) audio data is output when playing DVDs recorded in DTS. Select this position when connecting a DTS decoder.</p>	
<p>5</p>	<p>The settings are completed, and the screen in step 3 reappears.</p>	
<p>※ To return to the previous menu screen: Press the RETURN button.</p> <p>※ To exit the default settings: Press the SET UP button or number button "0" at the default setting screen in step 1 on page 38.</p>		

• **Recommended "Digital Audio Output" settings**

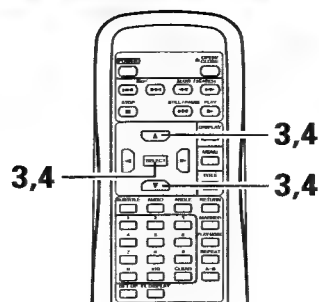
The optimum digital output setting depends on the type of component connected to the digital audio output connector.

When nothing is connected to the digital audio output connector	1 Off (factory default)	1 Bitstream (factory default)	1 Off (factory default)
When an amplifier equipped with a digital input connector and with no built-in Dolby Digital (AC-3) decoder is connected to the digital audio output connector (see page 11)	2 PCM (NOTE 1)	2 PCM (NOTE 2)	1 Off (factory default)
When a Dolby Digital (AC-3) decoder is connected to the digital audio output connector (see page 12)	2 PCM (NOTE 1)	1 Bitstream (factory default)	1 Off (factory default)
When a Dolby Digital (AC-3) DTS decoder is connected to the digital audio output connector	2 PCM (NOTE 1)	1 Bitstream (factory default)	2 Bitstream

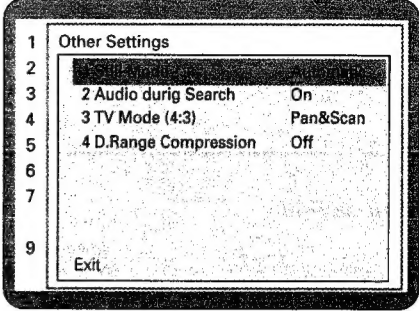
NOTES:

- The audio signals output from the DVD-5000's audio output connectors are converted into 48 kHz/16-bit signals, like those output from the digital audio output connectors.
To listen to high quality DVDs with 48 kHz/20- or 24-bit audio signals or 96 kHz audio signals, connect the amplifier, decoder, etc., directly to the audio output connectors, not to the digital audio output connectors (set "LPCM (DVD)" to "1 Off").
- Set to "PCM" when connecting components other than Dolby Digital (AC-3) decoders. Setting to "Bitstream" may result in noise that could damage your ears or the speakers.

When "9 Other Settings" is Selected



<p>1</p> <p>2</p>	<p>See page 38.</p>	
<p>3</p>	<p>Use the ▲ and ▼ cursor buttons to select "9 Other Settings", then press the SELECT button.</p> <p>1. Still Mode Use this to reduce fluttering of the picture when playing still pictures.</p> <p>2. Audio during search Use this to set whether or not to play the sound during the search operation in speed 1.</p> <p>3. TV mode (4:3) Use this to set the TV screen display when playing wide DVDs on conventional size TVs.</p> <p>4. D.Range Compression Use this to set the range of sound output when playing discs.</p>	<p>Remote control unit Remote control unit</p> <div style="border: 1px solid black; padding: 5px; width: fit-content;"> <p>1 Other Settings</p> <p>2</p> <p>3 2 Audio durig Search On</p> <p>4 3 TV Mode (4:3) Pan&Scan</p> <p>5 4 D.Range Compression Off</p> <p>6</p> <p>7</p> <p>9 Exit</p> </div>
<p>4</p>	<p>Use the ▲ and ▼ cursor buttons to select the desired setting, then press the SELECT button.</p> <p>① When "1 Still Mode" is selected</p> <p>1. Automatic (factory default) Normally set this. The frame still or field still mode is selected automatically.</p> <p>2. Field Select this if the picture flutters when "Automatic" is set.</p> <p>② When "2 Audio during search" is selected</p> <p>1. On (factory default) Select this to output sound during the search operation in speed 1.</p> <p>2. Off Select this to turn off the sound during the search operation in speed 1.</p> <p>③ When "3 TV Mode (4:3)" is selected</p> <p>1. Pan&Scan (factory default) Select this to play wide DVDs with a pan & scan screen (with the sides cut off). If pan & scan is not specified for the disc, however, the disc is played with a letter box screen.</p> <p>2. Letter box Select this to play wide DVDs with a letter box screen (with black bands at the top and bottom).</p>	<p>Remote control unit Remote control unit</p>

4	<p>④ When "4 D.Range Compression" is selected</p> <p>1. OFF (factory default) Select this for the standard range.</p> <p>2. On Select this to achieve powerful sound even when the volume is low. This setting is suited for watching DVDs late at night with the volume low. (This setting is only valid for DVDs recorded in Dolby Digital.)</p>	
5	<p>The settings are completed, and the screen in step 3 reappears.</p>	
<p>※ To return to the previous menu screen: Press the RETURN button.</p> <p>※ To exit the default settings: Press the SET UP button or number button "0" at the default setting screen in step 1 on page 38.</p>		

Language code list

Code	Language	Code	Language	Code	Language	Code	Language
6565	Afar	7079	Faroese	7678	Lingala	8375	Slovak
6566	Abkhazian	7082	French	7679	Laothian	8376	Slovenian
6570	Afrikaans	7089	Frisian	7684	Lithuanian	8377	Samoan
6577	Ameharic	7165	Irish	7686	Latvian, Lettish	8378	Shona
6582	Arabic	7168	Scots Gaelic	7771	Malagasy	8379	Somali
6583	Assamese	7176	Galician	7773	Maori	8381	Albanian
6588	Aymara	7178	Guarani	7775	Macedonian	8382	Serbian
6590	Azerbaijani	7185	Gujarati	7776	Malayalam	8385	Sundanese
6665	Bashkir	7265	Hausa	7778	Mongolian	8386	Swedish
6669	Byelorussian	7273	Hindi	7779	Moldavian	8387	Swahili
6671	Bulgarian	7282	Croatian	7782	Marathi	8465	Tamil
6672	Bihari	7285	Hungarian	7783	Malay	8469	Telugu
6678	Bengali; Bangla	7289	Armenian	7784	Maltese	8471	Tajik
6679	Tibetan	7365	Interlingua	7789	Burmese	8472	Thai
6682	Breton	7378	Indonesian	7865	Nauru	8473	Tigrinya
6765	Catalan	7383	Icelandic	7869	Nepali	8475	Turkmen
6779	Corsican	7384	Italian	7876	Dutch	8476	Tagalog
6783	Czech	7387	Hebrew	7879	Norwegian	8479	Tonga
6789	Welsh	7465	Japanese	7982	Oriya	8482	Turkish
6865	Danish	7473	Yiddish	8065	Panjabi	8484	Tatar
6869	German	7487	Javanese	8075	Polish	8487	Twi
6890	Bhutani	7565	Georgian	8083	Pashto, Pushto	8575	Ukrainian
6976	Greek	7575	Kazakh	8084	Portuguese	8582	Urdu
6978	English	7576	Greenlandic	8185	Quechua	8590	Uzbek
6979	Esperanto	7577	Cambodian	8277	Rhaeto-Romance	8673	Vietnamese
6983	Spanish	7578	Kannada	8279	Romanian	8679	Volapük
6984	Estonian	7579	Korean	8285	Russian	8779	Wolof
6985	Basque	7583	Kashmiri	8365	Sanskrit	8872	Xhosa
7065	Persian	7585	Kurdish	8368	Sindhi	8979	Yoruba
7073	Finnish	7589	Kirghiz	8372	Serbo-Croatian	9072	Chinese
7074	Fiji	7665	Latin	8373	Singhalese	9085	Zulu

18 TROUBLESHOOTING

Check again before assuming the player is malfunctioning.

- Are all the connections correct?
- Are you following the instructions in the manual?
- Are the amplifier and speakers operating properly?

If the DVD-5000 does not seem to be functioning properly, check the table below. If this does not solve the problem, the DVD-5000 may be damaged. Turn off the power, unplug the power cord from the power outlet, and contact your store of purchase or nearest DENON sales office.

Symptom	Check	Page
Power does not turn on.	<ul style="list-style-type: none"> Plug the power cord securely into the power outlet. 	10
Playback does not start when PLAY button is pressed. Playback stops immediately.	<ul style="list-style-type: none"> Is there condensation on the disc or player? (Let stand for 1 or 2 hours.) Discs other than DVDs, video CDs and music CDs cannot be played. Disc is dirty. Wipe off the dirt. 	— 8 9
Picture does not appear.	<ul style="list-style-type: none"> Check the connections. Set the TV's input to "video". 	10 —
Sound is not produced or sound quality is poor.	<ul style="list-style-type: none"> Check the connections. Properly set the input of the TV, stereo, etc. 	10 —
Menu playback of video CD's is not possible.	<ul style="list-style-type: none"> Menu playback is not possible with anything but video CDs with playback control. 	20
Picture is disturbed during the search operation.	<ul style="list-style-type: none"> Some disturbance is normal. 	—
Buttons do not operate.	<ul style="list-style-type: none"> Some operations are disabled for some discs. 	21
No subtitles are displayed.	<ul style="list-style-type: none"> Subtitles are not displayed for DVDs not containing subtitles. Subtitles are turned off. Turn the subtitles setting on. 	— 34
Audio (or subtitle) language does not switch.	<ul style="list-style-type: none"> The audio (or subtitle) language does not switch for discs which do not include multiple audio (or subtitle) languages. For some discs the audio (or subtitle) language cannot be switched when the operation to switch it is performed, but can be switched on the menu screens. 	— 33, 34
Angle does not switch.	<ul style="list-style-type: none"> The angle cannot be switched for DVDs which do not contain multiple angles. In some cases multiple angles are only recorded for specific scenes. 	35
Playback does not start when the title is selected.	<ul style="list-style-type: none"> Check the "Ratings" setting. 	40~42
You have forgotten the password you have set for the "Ratings" setting.	<ul style="list-style-type: none"> Use the procedure described below to reset all the settings to the factory defaults. In the stop mode, press and hold in the PLAY, SKIP (◀▶) and OPEN/CLOSE buttons on the DVD player for at least 3 seconds. (Check that "Initialized" has turned off from the TV screen.) 	—
The disc is not played with the audio or subtitle language set as the default setting.	<ul style="list-style-type: none"> The disc does not play with the selected audio or subtitle language if that audio or subtitle language is not included on that DVD. 	39
Picture is not displayed in 4:3 (or 16:9).	<ul style="list-style-type: none"> Set the "TV Aspect" default setting to the proper setting for the connected TV. 	46
No messages appear on the screen when buttons are operated.	<ul style="list-style-type: none"> Set the "On-Screen Messages" default setting to "On". 	44
Menu screen messages for the desired language do not display.	<ul style="list-style-type: none"> Check the default setting for the disc language's menu language. 	39
Remote control unit does not operate.	<ul style="list-style-type: none"> Check that the batteries are inserted in the proper "⊕" and "⊖" directions. The batteries are dead. Replace them with new batteries. Point the remote control unit at the remote control sensor when operating it. Operate the remote control unit within a distance of 7 meters from the remote control sensor. Remove the obstacle between the remote control unit and remote control sensor. 	17 17 17 17 17

19 IF A SERVICE NUMBER APPEARS

■ If an error is detected while the DVD-5000 is in use, a service number appears on the display.

Problem	Remedy
<ul style="list-style-type: none"> Disc is dirty. 	<ul style="list-style-type: none"> Wipe the dirt off the disc. (If the service number is still displayed after doing this, have the player serviced.)
<ul style="list-style-type: none"> There is a problem with the player. The number following the "H" differs according to the type of problem. 	<ul style="list-style-type: none"> Try switching the power button between on and standby. Also try unplugging the power cord then plugging it back in. (If the service number is still displayed after doing this, have the player serviced.)

20 MAIN SPECIFICATIONS

Signal system:	NTSC
Applicable discs:	(1) DVD/video discs 1-layer 12 cm single-sided discs, 2-layer 12 cm single-sided discs, 2-layer 12 cm double-sided discs (1 layer per side) 1-layer 8 cm single-sided discs, 2-layer 8 cm single-sided discs, 2-layer 8 cm double-sided discs (1 layer per side) (2) Compact discs (CD-DA, Video CD) 12 cm discs, 8 cm discs
S-Video output:	Y output level: 1 Vp-p (75 Ω /ohms) C output level: 0.286 Vp-p Output connectors: S connectors, two sets
Video output:	Output level: 1 Vp-p (75 Ω /ohms) Output connector: Pin-plug jacks, two sets
Component output:	Y output level: 1 Vp-p (75 Ω /ohms) Pb output level: 0.648 Vp-p (75 Ω /ohms) Pr output level: 0.648 Vp-p (75 Ω /ohms) Output connector: Pin jack, 1 set
Audio output:	Fixed output level: 2 Vrms, 1 set Variable output level: 0 to 2 Vrms, 1 set
Audio output properties:	(1) Frequency response ① DVDs (linear PCM) : 2 Hz to 22 kHz (48 kHz sampling) : 2 Hz to 44 kHz (96 kHz sampling) ② CDs : 2 Hz to 20 kHz (2) S/N ratio ① DVDs : 118 dB ② CDs : 118 dB (3) Total harmonic distortion ① DVDs : 0.0015% ② CDs : 0.0018% (4) Dynamic range ① DVDs : 108 dB ② CDs : 100 dB (5) Channel separation ① DVDs : 110 dB ② CDs : 110 dB
Digital audio output:	Optical digital output : Optical connector, 1 set Coaxial digital output : Pin jack, 1 set
Power supply:	AC 120V, 60 Hz
Power consumption:	40 W
Maximum external dimensions:	434 (width) x 135 (height) x 374 (depth) mm (not including protruding parts)
Weight:	16.5 kg
Remote control unit:	RC-540
Type:	Infrared pulse
Power supply:	DC 3V, two SUM3 batteries

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* Design and specifications are subject to change without notice in the course of product improvement.